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(NASA-TM-79553) GRAVITY ANOMALIES NEAR THE  
EAST PACIFIC RISE WITH WAVELENGTHS SHORTER  
THAN 3300 KM RECOVERED FROM GEOS-3/ATS-6  
SATELLITE-TO-SATELLITE DOPPLER TRACKING DATA  
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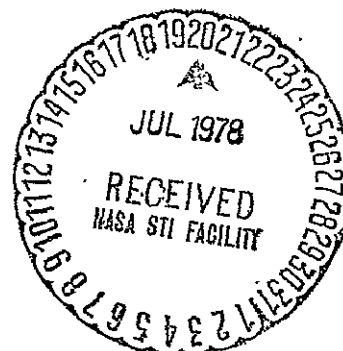
# Gravity Anomalies Near the East Pacific Rise with Wavelengths Shorter than 3300 KM Recovered from GEOS-3/ATS-6 Satellite-To-Satellite Doppler Tracking Data

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ABSTRACT

The velocity of the GEOS-3 satellite measured by Doppler as a function of time from the ATS-6 satellite has been used to recover gravity anomalies in the region of the East Pacific. The orbit of GEOS-3 at an altitude of 840 km is perturbed by spatial changes in Earth's gravitational field. These perturbations are measured via ATS-6 which is in a synchronous orbit at an altitude of about 40,000 km. The range-rate data were reduced using a gravitational field model complete to the 12 degree and order, since these low degree and order coefficients are well known. A simulation of the possible effects causing the remaining range-rate residuals relative to the 12, 12 field shows that in general the dominant effect is the neglect of the higher degree and order coefficients of the gravitational field model. The reduced range-rate data were smoothed using a filter correlation length of 1500 km and the resulting curve differentiated to give accelerations (mgals) as a function of space. Point values taken at equally spaced points along each profile were contoured to produce a map of the earth's high degree and order gravity field; two independent sets of GEOS-3 tracks were used to produce two independent maps. These maps match satisfactorily, and they are broadly similar to existing maps. In areal extent the closest match is with Rapp's newest compilation of surface data, although his map shows generally smaller amplitudes and much less detail. This is a promising new method by which to study Earth's high degree and order gravitational field.

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INTRODUCTION

Density variations within the earth give rise to convection and also produce gravity anomalies. The connection between gravity anomalies and thermal convection in the earth was clearly shown in a theoretical study by Pekeris (1935). Later, in drawing attention to the theorem by Von Zeipel which gives the conditions necessary for hydrostatic equilibrium within a rotating, radioactive planet, Verhoogen (1949) used Pekeris's results and the earth's gravitational field to estimate a convective velocity in the mantle of a few centimeters per year.

With the establishment of the kinematics of plate tectonics it has become increasingly clear that this model furnishes explanations for most of the magnetic, bathymetric, and heat flow anomalies observed in the ocean basins. It is now known that only second order variations in heat flow and bathymetry can be used to identify the style of convection within the mantle. Theoretical and numerical studies (e.g. McKenzie, 1977), however, suggest a more direct, first order connection between thermal convection and gravity anomalies. In short, if the convection is strong enough to deflect the lithosphere then an upwelling current will cause a positive gravity anomaly; the hot upwelling material alone, were it not able to deflect upward the surface, would of course cause a negative gravity anomaly.

Theoretical and numerical studies, many carried out under unusual assumptions, suggest a variation of gravity with surface deflection (bathymetric anomaly) of a few tens of mgals per kilometer. Surprisingly enough, a study of the correlation between free-air gravity and bathymetry along the oceanic rises by Anderson et al. (1973) showed a gravity increase of about 30 mgals per km of elevation, even using a rather inaccurate gravity model. The use of a more modern gravitational field model shows a poorer correlation than found by these authors. Other studies in the North Atlantic (Sclater et al., 1975) and in the Hawaiian area (Watts, 1976) have shown similar correlations between free air gravity and sea floor elevation. In each of these three studies, however, the authors have used averaged surface data instead of removing a low degree and order field model to expose long wavelength gravity anomalies:

In a world-wide study, Marsh and Marsh (1976) used a gravitational field model complete to the 30th degree and order (PGS110, Lerch 1976) to look for short wavelength gravity anomalies which might indicate a pattern of convection as suggested by theoretical studies (Richter and Parsons, 1975). They removed a field model complete to the 12th degree and order and the highest order harmonics, beyond  $n, m=23$ , and found that this field consists almost wholly of anomalies possessing a wavelength of about 2000 km. Where correlations were possible they found a close correlation between bathymetry and gravity and a close correspondence to surface gravity maps, although this latter correlation is not surprising since the field model contained a great amount of this same

data in addition to satellite data. A peculiar pattern of anomalies of alternating sign was also found spanning the Pacific basin, striking approximately NW. Along the east Pacific rise a hint of a correspondence between gravity and bathymetry was also noted. Yet many of the anomalies within the Pacific are of a small amplitude  $\sim \pm 10$  mgal while the uncertainties are often as large as  $\pm 8$  mgal. Although the pattern of anomaly uncertainties does not resemble the anomaly pattern, the map must be viewed with caution. Marsh and Marsh were also concerned with the possibility of introducing purely numerical perturbations into the resulting map through the procedure of truncation of the spherical harmonic field model.

The present study was undertaken to obtain accurate gravity anomalies in the region of the east Pacific rise that would be independent of any particular gravitational field model, that could be used to check the higher degree and order part of existing field models, that would not use a huge collection of spherical harmonic coefficients, and that would supply much needed gravity data in this region. Since there is little hope of obtaining extensive sea surface gravity measurements in this area, the new method of satellite-to-satellite tracking (SST) was used.

Satellite-to-satellite doppler tracking basically involves the use of a stationary (relative to Earth) satellite (ATS-6) at an altitude of 40,000 km to track a lower satellite which in this case was GEOS-3 at an altitude of about 840 km whose orbit is nearly circular. Doppler tracking furnishes range rates as a function of time which, once corrected for long wavelength orbital perturbations,

can be easily converted to line-of-sight (between ATS-6 and GEOS-3) accelerations or gravity anomalies. By reducing the orbits using a gravitational field model complete to only the 12th degree and order, gravity anomalies with wavelengths smaller than about 3,300 km could be revealed. The profiles of anomalies can then be used to construct a gravity map.

This method, which was used by Muller and Sjogren (1968), and Sjogren et al. (1974), for the detection of lunar mascons, has the great advantage of being simple; the data have little opportunity to become adulterated during processing. More recently Sjogren et al. (1976) have analyzed ATS-6/GEOS-3 SST data by reducing the orbits with only a  $J_2$  gravitational field and have observed the effects of gravitational perturbations on the GEOS-3 orbit. Vonbun et al. (1976) have also recently conducted an experiment involving SST tracking between ATS-6 and Apollo at an altitude of 230 km. These data have been analyzed for the recovery of gravity anomalies in the Indian Ocean area.

To compare our SST derived gravity anomalies with those of the high degree and order part of the field model used by Marsh and Marsh, synthetic line-of-sight range-rates were computed using the coefficients of the PGS-110 field model above the 12th degree and order. This has provided a very useful independent check on the high degree and order portion of the PGS-110 field model.

A total of 28 passes of satellite-to-satellite tracking data have been analyzed. The consistency of the data has been measured by comparison of signatures of passes having a similar ground track but separated by several weeks in time. These comparisons revealed a high level of repeatability. A test of the

accuracy of the residuals is possible from passes which traverse the U.S. where the PGS-110 field and surface gravity data closely agree. Three such passes of SST residuals over the U.S. show excellent agreement with the residuals predicted by the PGS-110 model, thus confirming that the observed residuals can be attributed to high-degree perturbations in the gravitational field of the earth.

Error analyses indicate that if orbital arc lengths of one revolution or less are used, the effects of high-order geopotential coefficients will indeed produce the dominant signature in the SST residuals.

In the remainder of this report the procedures leading to the production of the gravity map over the east Pacific rise are discussed in detail.

#### GEOS-3/ATS-6 SATELLITE-TO-SATELLITE TRACKING SYSTEM

The ATS-6/GEOS-3 Satellite-to-Satellite Tracking Experiment was conducted to determine the tracking and orbit accuracies attainable with this type of system and also to determine the geophysical importance of the SST data type. Basically, the inter-satellite range rate measurement is made in the following manner: the initial signal is transmitted from an ATS-6 ground station to the ATS-6 spacecraft, where it is converted to the proper frequency for reception by GEOS-3. The converted signal is then transmitted to GEOS-3, where it is processed for transmission back to ATS-6 and thence to the ATS-6 ground station via the same instrumentation. The final observation, in this experiment, takes the form of an average range rate sum:

$$\bar{R} = \dot{r}_1 + \dot{r}_2 + \dot{r}_3 + \dot{r}_4$$

Figure 1 shows the geometry of this measurement. This doppler observation involves the counting of cycles of a signal returned from the satellites to determine its Doppler shift due to the motion of the satellites and the ground station.

In this experiment, the type of observation generated is called "destruct Doppler." To generate destruct data, the time required to collect N cycles of the signal is measured by counting cycles of a 100 MHz clock. The counter is then reset to zero, hence the name "destruct Doppler." For orbit determination with this type of observation, the data were converted from range rate time into an average range rate in meters/second. An average range rate measurement is obtained from range rate time by the following:

$$\bar{R} = \frac{c}{2f_x} \left[ \frac{N}{T} - f_B \right]$$

where

$f_x$  = constant determined by particular tracking configuration

$f_B$  = ground generated bias frequency

N = integrated doppler signal plus bias cycles accumulated

T = integration time interval required to accumulate N cycles

c = speed of light

The quantity  $f_x$  is computed as follows:

$$f_x = \frac{n}{m} \left( f_{RR} - \frac{K - \frac{77}{4}}{K + 1.5} f_B \right)$$



where

$$\frac{n}{m} = \text{GEOS-3 transponder ratio} = \frac{240}{221}$$

$f_{RR}$  = Ground generated ranging carrier frequency

$K$  = ATS-6 transponder frequency multipliers

Further details on the system operation are provided by Teles et al., (1975) and detailed preprocessing information is given by Eddy, et al., (1975). The expected data quality for the SST measurement was approximately 0.07 cm/sec for a 10 second integration period. The actual noise level of the data used in this experiment was found to be close to this expected data quality. A data rate of six measurements per minute was used throughout this experiment.

The basis for selecting data for this experiment was two-fold:

1. Passes where GEOS-3 crossed the equator (either ascending or descending) somewhere between 220° east longitude and 300° east longitude - since the main area of interest was the Pacific Ocean, and
2. Sufficient ground tracking data of GEOS-3 were available within one revolution of the SST pass of interest so that short arc orbit determination for GEOS-3 was possible. The ground tracking data of GEOS-3 was obtained from the GSFC lasers, C-Band radars, and U.S. Navy geociever tracking systems.

Using the above criteria, a data set of 28 SST passes was chosen. A summary of the ground tracks of these passes is shown in Figures 2A and 2B. A description of the orbital arcs is presented in Table 1.

## DATA ANALYSIS TECHNIQUES.

Orbital solutions were computed for each pass of SST data using a combination of the SST data, direct radar tracking of ATS-6 and laser, C-Band and Navy geociever tracking of GEOS-3. The GEODYN orbit computation computer program (Martin, et al., 1976) was used for these analyses. The following forces were modeled: luni-solar gravity, solar radiation pressure, atmospheric drag and the gravity field of the earth using the PGS-110 coefficients through the 12th degree and order. The gravity field below (12,12) is well-known and furthermore any errors in the lower degree coefficients appear as long wavelength features distinct from the wavelengths of interest. The result of the orbit computation process was a set of range-rate residuals (observed minus computed range rate) for each pass of data. These residuals are "line-of-sight": between GEOS-3 and ATS-6 however, near the sub-satellite point of ATS-6 ( $\sim 30^\circ - 40^\circ$ , Sjogren, 1976) they can be considered to be radial accelerations.

To analyze the relationship of the SST residuals to the neglected higher order coefficients of the gravitational field model and to assess the magnitude of other unmodeled errors, an orbital error analysis program called ORAN (Martin, 1973) was used. This error analysis routine simulates the least squares orbital adjustment process and accounts for the effects of spacecraft geometry on the residuals and thus provides line of sight synthetic residuals which can be directly compared with the observed residuals.

At the outset of this investigation, orbit computations were performed for several revolutions using the PGS-110 coefficients through (4,4) in order to test the sensitivity of the data to the gravity field of the earth. The residuals due to the unmodeled gravitational effects above (4,4) were quite large, amounting to about one cm/sec. Such residuals for revolution 240 are presented in Figure 3. Synthetic residuals computed using the PGS-110 coefficients above (4,4), also shown in this figure, are in excellent agreement with these observed residuals. Since the main goal of this analysis was to study gravity anomalies defined by the higher degree and order terms, orbital solutions were subsequently computed using a (12,12) gravity model.

To insure that the dominant effects in the SST range rate residuals were due principally to the neglect of the higher degree gravity coefficients, the effects of other unmodeled errors were calculated. The error sources and magnitudes considered are presented in Table 2. The magnitudes of the error sources were chosen to represent realistic state of the art uncertainties. The only significant errors are: tracking station location error, tropospheric refraction correction error and error due to the C-band radar tracking system bias (i.e., the other errors were at least one order of magnitude smaller than the aforementioned errors). The effects of ionospheric refraction were negligible due to the 840 km altitude of GEOS-3. A typical plot of the propagation of these effects into the SST residuals is presented in Figure 4 for REV No. 254. The maximum effect due to each of the error sources was plotted. This error propagation is

considered to be conservative in that no cancellation or interaction of the error sources has been assumed. The signature of the non-gravitational error in the SST range rate residuals is clearly distinct from the effects of the higher degree and order terms of the gravity field. Thus, based upon this error analysis, it was concluded that corruption of the high degree gravitational signature due to non-gravitational errors would be small.

The residuals corresponding to the coefficients above 12th degree could also have been obtained by computing the orbit with the full model and then subtracting these residuals from the residuals corresponding to a solution which only included coefficients below the 12th degree. This was actually done as a test and the residuals generated with the ORAN program were confirmed.

A number of steps were involved in going from the raw data to the implied gravity field accelerations. Figure 5 presents a flow chart for the data reduction and analyses procedures used in this investigation.

The raw SST data were first of all preprocessed and converted to average range rate measurements in a format acceptable to the GEODYN orbit determination program. The SST data were then combined with the laser, C-Band, and geociever GEOS-3 tracking data in order to compute both the GEOS-3 and ATS-6 orbits. After the orbit computation, a tape was generated containing the SST residuals (observed minus computed values) along with a tape which contained the information (i.e., station identification numbers, data types and times) which allowed an exact simulation of the data reduction by the error analysis program.

The error analysis program was then used to produce the synthetic SST residuals. Both the actual range rate residuals and the synthetic residuals were filtered producing smoothed residuals and accelerations. These quantities were then plotted in a variety of ways as a means of determining the correlation between the actual and synthetic residuals and accelerations.

An optimal linear smoother was used for smoothing the SST residuals and for calculation of accelerations. The heart of the smoother is a Kalman filter. In the operation of the smoother a forward pass of the data through the filter is followed by a backward pass of the data through the same filter with the forward and backward filtered outputs being optimally combined. The identical forward and backward operations assure a symmetrical dependence of the smoothed output on the data. Computational efficiency is achieved by the sequential, recursive operations. The output of the smoothing process also includes the first derivative.

The smoother is optimal with respect to the following signal and noise processes:

1. The signal is a zero mean stationary random process with a fading memory correlation function modeled as:

$$E(S(t) S(t + \tau)) = \sigma^2 \left( 1 + \lambda |\tau| + \frac{\lambda^2 \tau^2}{3} \right) e^{-\lambda |\tau|}$$

$E$  = expected value

$S(t)$  = signal at time  $t$

$S(t+\tau)$  = signal at time  $t+\tau$

$\tau$  = change in time

$\sigma^2$  = signal variance

$\lambda$  = defined by the correlation length

2. The noise is a zero-mean white-noise random sequence.

3. There exists no correlation between signal and noise.

The primary parameter which may be varied to change the smoother characteristics is the signal correlation time. The secondary parameter is the signal-to-noise ratio.

The derivation and characteristics of the smoother are described in considerable detail by Fang (1976).

For these data a correlation length of 1500 km and a data noise of .07 cm/sec were used. After some experimentation this 1500 km correlation length was selected as optimal for exposing the anomalies of interest. An example of the effect of the correlation length on the observed range rates is shown in Figure 6 where the profiles obtained using filter correlation lengths of 500, 1000 and 1500 km are shown. The additional detail displayed when filter correlation lengths of 500 and 1000 km were used does not appear to be meaningful.

## DISCUSSION OF RESULTS

In the Appendix a complete documentation of the results for each pass of data is presented. The information presented for each pass consists of:

1. a plot of the range-rate residuals and the result of smoothing the pass of residuals versus time.
2. a plot of the synthetic range-rate residuals and the smoothed residuals from item 1 versus time.
3. a plot of the synthetic accelerations and the accelerations determined from smoothing versus time.
4. a scatter plot of synthetic accelerations versus the accelerations determined from smoothing.
5. a complete listing of the detailed data which were used to derive items 1, 2 and 3.

The format for the data tabulated in item 5 is described below.

### Revolution 231

OBSERVATION TIME			GEOS-3 SUBSAT- ELLITE POINT		RANGE RATE RESIDUAL	SMOOTHED RESIDUAL	SYNTHETIC RESIDUAL	OBSERVED ACCELERATION	SYNTHETIC ACCELERATION
YYMMDD	HHMM	SEC	LAT	E. LONG	CM/SEC	CM/SEC	CM/SEC	MGAL	MGAL
750426	831	4.	-63.02	7.68	-0.08720	-0.02386		0.55848	
750426	831	14.	-62.80	6.45	0.08745	-0.01712		0.64556	
750426	831	24.	-62.56	5.24	-0.10546	-0.00964	0.005177	0.72234	0.06876

where,

Observation Time = Time of the GEOS-3/ATS-6 range rate observation,  
year, month, day, hour, minute, second given in col-  
umns noted as YYMMDD HHMM SEC.

GEOS-3 Sub-satellite = Latitude and east longitude of the GEOS-3 sub-satellite  
Point point.

Range-rate Residual = ATS-6/GEOS-3 range-rate residual (observed-computed)  
value obtained after computing the orbits with the

coefficients through degree and order 12 in the PGS-110 gravity model.

Smoothed Residual = The smoothed residuals were obtained by processing the range-rate residuals through the smoothing program.

Synthetic Residual = Synthetic residuals were computed by simulating, through an error analysis program, the effects of the neglect of the higher degree and order PGS-110 coefficients on the SST residuals.

Observed Acceleration = Acceleration obtained from the smoothing program.

Synthetic Acceleration = Acceleration computed for the synthetic residuals.

A previous comparison, Marsh and Marsh (1976), of the PGS-110 gravity anomalies corresponding to terms of degree 13 through 22 and corresponding anomalies derived from a model based solely upon surface gravity data (PGS-130, Lerch, 1976) showed excellent agreement over North America, where a large amount of high quality surface data are available. This comparison established the validity of the PGS-110 model in this area. In the SST data set analyzed, three revolutions (758, 233 and 231) crossed North America and thus have provided an important ground truth test for our analysis techniques. Figures 7, 8 and 9 present comparisons of the observed and synthetic accelerations for these passes. The agreement is good along the total length of these profiles and is particularly close over North America. It is noted that during SST tracking on revolution 758, GEOS-3 was observed simultaneously by four ground stations. This may account for the slightly better agreement along this pass.



A test of the consistency and repeatability of the SST data has been provided by the comparison of independent data along overlapping ground tracks. Figure 10 presents such a comparison for revolutions 240 and 439 and Figure 11 presents a comparison for revolutions 254 and 453. These plots indicate a high level of repeatability in the data thus providing further confidence in the results.

The formal estimate of error in the accelerations derived from the filter with a correlation length of 1500 km, data noise of 0.07 cm/sec and a signal to noise ratio of 2 is approximately 0.4 mgal. As a check on this estimate the rms of the difference between the synthetic accelerations and the accelerations derived from the range-rate residuals was computed. This gave a value of 0.6 mgal, which is in good agreement with the formal error estimate, particularly since this latter value also reflects errors in the synthetic accelerations. A histogram of these differences is shown in Figure 12 which indicates that the differences have a zero mean and are even approximately Gaussian distributed. This is further verification that the accelerations derived from the range-rate residuals are an independent estimate of the accelerations derived from the high order terms of the PGS-110 gravity model.

A close inspection of the graphs and tabulations has indicated a strikingly high level of agreement between the synthetic range-rate residuals and accelerations and the observed residuals and accelerations. In order to quantify the level of agreement and examine it for statistical significance, correlation coefficients have been calculated between the synthetic and observed range-rate residuals and accelerations for each pass of data.

Table 3 presents these correlation coefficients. The average correlation coefficient for the accelerations along the 28 passes was 0.55 which is statistically significant at the 99.99% confidence level. That is, if the true correlation were in fact zero, and this type of analysis were repeated for a large number of cases, only 0.01% of the time would we find a correlation as large as 0.55. Thus the analysis has provided an independent verification of the validity of the terms of degree and order greater than 12 in the PGS-110 gravity model which would imply that gravity anomalies defined by these terms with wavelengths shorter than 3300 km have been independently observed.

Close inspection of the plots of the observed and synthetic accelerations has indicated that if certain portions of the synthetic curves were shifted slightly, the agreement would be even better and hence the correlations even higher. For example, note the accelerations between 21 and 31 minutes for revolution 695, and between 32 and 42 minutes for revolution 724. The justification for considering these shifts is based upon the results of previous investigations (Black, 1976) which have indicated that in the determination of global gravity fields, errors of a few degrees in the locations of the anomalies are not uncommon even though the magnitudes of the anomalies have been reliably estimated. It is noted that displacements due to the fact that the accelerations are "line-of-sight" have been accounted for in the generation of the synthetic residuals.

Figure 13 presents plots of the observed accelerations along the GEOS-3 ground tracks for the revolutions prior to May 20, 1975 when ATS-6 was located

at 94° west longitude. After May 20, 1975, ATS-6 was drifting toward the east at a rate of about 3° per day. Similar results can be observed for passes over the same geographic area in most cases. Visual inspection also revealed anomaly patterns. In order to facilitate comparison of these patterns with patterns defined by the high degree and order terms in the PGS-110 model, contour maps of the accelerations have been produced.

The acceleration maps were contoured by a computer routine which first grids the data. There are many ways to grid data and depending on the distribution of real data points spurious anomalies can be introduced by this process. The anomalies outside the area of the satellite ground tracks were produced in this fashion and should be ignored. Machine contouring can also sometimes produce strange effects within the region containing data and to check this, one of the maps, Figure 14-A (SST-1, 2, 4) based upon revolutions 100, 200 and 400 collected before May 20 was contoured by hand. It turned out to be essentially identical to the machine contoured map. Each map presented herein has been machine contoured. Since tracks which cross generally do not match exactly in amplitude, although they usually do so in sign, at these points an average value was taken and the resulting map is hence somewhat smoothed by the contouring process. The number of ascending (SE to NW) passes are so few that they cannot be considered to yield a reliable map of the gravity over most of South and North America. Thus the most reliable part of the map shown in Figure 14-A is that area contained within the envelope of descending (NE to SW) revolutions and within about 30 or 40 degrees of 94 degrees west longitude.

Figure 14-B (SST-6,7) presents an independent contour map of the accelerations corresponding to the 600,700 series of passes when ATS-6 was drifting from 94° west longitude to 41° west longitude. These maps have no reliance on a higher degree and order gravitational field model, but instead rely only on a field model complete to the 12th degree and order. These independent data sets show basically the same features within 30°-40° of ATS-6, but the position of ATS-6 is different for each map. The anomalies are largely broad undulating features striking WNW with a wavelength of about 25°-30° (2700-3300 km). This is particularly so in the east Pacific. This does not appear to be caused by contouring or an insufficient number of tracks, and this strike is not caused by single ascending orbits for there are none in this region. In the North Atlantic area the maps are somewhat different. Here the SST-1,2,4 map shows a pattern of broad anomalies while the SST-6,7 shows a much shorter wavelength pattern. The agreement here is not close, but this area is well outside the 30°-40° circle about the ATS-6 subsatellite point where the accelerations are largely radial. Even within the 30° circle of ATS-6 there are some rather large discrepancies between the two maps. The large bulls-eye anomaly near 268° longitude and -12° latitude on SST-1,2,4 appears alone within a large positive region, but on the SST-6,7 map this anomaly is less obvious because this positive band consists also of other anomalies. The anomaly at 260° and 5° on the SST-6,7 map, in particular, does not appear on the SST-1,2,4 map because no revolutions used in the SST-1,2,4 map cross this feature.

The agreement between these maps can be made much closer in the area of the east Pacific if the SST-6,7 map is translated westward by about  $4^\circ$  relative to the SST-1,2,4 map. The difference in the position of ATS-6 for the data collection used in each map may account for the apparent phase shift in the anomalies. The eastward drift of ATS-6 moves the  $\sim 30^\circ$  spot centered about ATS-6 where the line of sight range-rates can be considered to be almost solely due to radial accelerations. Unfortunately for many of the later passes in this series (600-700) their circle of certainty about ATS-6 does not include much of the southeast Pacific, an area of prime geophysical interest. Model studies show that the largest distortion of acceleration anomalies which lie outside the  $30^\circ$  circle of certainty comes about principally as a shift in the phase of the measured anomaly relative to the true anomaly. This could account for the apparent longitude discrepancy of  $4^\circ$  between the two SST maps of line-of-sight accelerations.

An acceleration map made from combining the two independent sets of SST data (SST-1,2,4 and SST-6,7) shows, of course, a combination of the features of each data set (Figure 14-C).

The absolute accuracy of these maps of SST accelerations is difficult to estimate. Compared with the synthetic range rates computed using PGS-110 the nearly Gaussian distribution of differences gives a standard deviation of 0.6 mgal; on the earth's surface this would be about 6 mgal. This is considered to be, within the most reliable area of these maps, an upper bound error estimate

since this comparison also reflects errors in the PGS-110 model. An estimate of the lower bound on error is gained from the study of error propagation due to uncertainties in the low degree and order ( $n, m \leq 12$ ) gravity field model used to reduce the orbits.

The formal errors on the GEM-10 coefficients ( $n, m \leq 12$ ) and those estimated by differencing the coefficients of GEM-10 and PGS-110 produce uncertainties of about  $\pm 0.35$  mgal in the line of sight accelerations. If an even lower degree and order field model is used, say,  $n, m \leq 8$  the error drops to about  $\pm 0.1$  mgl. In sum, the uncertainties on the gravity anomalies shown probably lie within the range from 0.35 to 0.6 mgal which on the earth's surface would be about  $\pm 3.5$  to  $\pm 6.0$  mgal.

A comparison of the SST derived gravity maps with corresponding maps computed using the PGS-110 gravity model (Figure 15), Rapp's model (1977) based solely upon surface gravity data (Figure 16) and the GEM-10 model (Figure 17) shows the maps to be essentially similar. The positives and negatives are generally in the same places. On closer inspection, however, the broad, undulating anomalies shown along track are more similar to the pattern of surface anomalies and the GEM-10 anomalies and less so to the somewhat shorter wavelength and more east-west striking PGS-110 anomalies. The amplitudes of the anomalies are generally about the same for all but the map of surface data (Figure 16), but recall that the  $5^\circ$  surface gravity anomalies estimated in this region (Rapp, 1977, Figure 1) were based upon sparse  $1^\circ$  data.

The estimation technique in the absence of observational data tended to make the values of the predicted anomalies small in absolute value. The linear, east-west positive anomaly near 5°S shown by PGS-110 is broken at 248° longitude by a large negative anomaly on the SST maps; this SST anomaly is also present in GEM-10 and the surface data, although in the latter it is shifted slightly westward. Considering the pattern of the anomalies the SST maps are most similar to the map of surface data, but the SST maps generally show more detail and much larger anomalies. The next closest correlation is with the GEM-10 anomalies, which is quite similar to the map of surface data. The correlation with the PGS-110 map is only fair, the major differences are in the overall pattern of anomalies and the addition of strong anomalies near 5°S and 248 longitude and 40°S and 240° longitude which change the distinct E-W fabric to a more NW-SE fabric.

These analyses have indicated that the hi-lo SST technique is a promising new method by which to study the earth's high degree and order gravitational field over land as well as ocean areas. Current efforts are concerned with the analysis of the more recent GEOS-3/ATS-6 "non destruct" Doppler data which has a noise level about four times less than the "destruct data" used in the present study.

## ACKNOWLEDGEMENTS

Numerous people have provided valuable support during the course of this investigation. The authors thank: Phil Schwimmer of the Defense Mapping Agency Headquarters for providing geociever data on GEOS-3 which was extremely valuable in this analysis; Werner Kahn, of Goddard Space Flight Center, for his discussions on the SST system and his comments on this paper, Bert Fang, of Wolf Research and Development Group, for his help in implementing the data filtering program; Tom Martin, of Wolf, for his help with regard to the processing of the SST data in the Geodyn orbit computation programs; Henry Clark, of Wolf, for help in executing the orbit determination runs, and Phyllis Chovitz and Don Amann for their help in making the numerous plots and maps.



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Table 1  
Description of SST Passes

SST Rev No.	Start Time of Arc		Arc Length (Min)	SST Start Time (Min From Epoch)	SST Stop Time (Min From Epoch)	No. of Passes of GEOS-3 Ground Tracking		ATS-6 E. Longitude
	Yr/Mo/Da	Hr/Min				During SST	Total	
231	75/04/26	08/30	50	0	50	3	3	260°
233	75/04/26	08/54	144	86	124	0	3	260°
239	75/04/26	20/45	143	33	93	0	3	260°
240	75/04/26	22/41	149	35	78	3	5	260°
253	75/04/27	21/07	110	25	40	0	4	260°
254	75/04/27	22/42	43	0	43	3	3	260°
268	75/04/28	22/27	44	0	44	3	3	260°
269	75/04/28	23/31	111	34	78	1	2	260°
438	75/05/10	22/53	104	0	44	1	3	260°
439	75/05/11	0/10	86	21	65	2	2	260°
453	75/05/11	23/38	101	39	83	2	2	260°
466	75/05/12	22/00	139	27	69	0	3	260°
467	75/05/12	23/44	83	19	63	3	3	260°
695	75/05/29	02/19	103	24	68	5	6	296°
696	75/05/29	04/01	98	18	62	3	3	296°
709	75/05/30	02/04	95	30	69	3	3	300°
710	75/05/30	03/46	100	18	62	4	4	300°
716	75/05/30	13/57	140	72	116	2	2	302°
723	75/05/31	01/49	104	25	69	4	5	304°
724	75/05/31	03/31	100	19	63	3	4	304°
730	75/05/31	13/42	140	74	117	3	3	306°
737	75/06/01	01/59	65	0	44	1	1	307°
738	75/06/01	03/16	90	19	63	4	4	308°
751	75/06/02	01/37	72	31	51	0	1	311°
752	75/06/02	03/20	68	0	44	2	2	311°
758	75/06/02	12/21	104	27	72	4	4	313°
765	75/06/03	01/04	96	30	70	4	5	315°
779	75/06/04	0/50	146	28	68	0	2	319°

Table 2  
Errors Considered in Error Analysis

Error Source	Magnitude of Error Propagated	Nominal Value
ATS solar radiation pressure	15% of nominal	Reflectivity coefficient, $C_R = 1.5$ Area/Mass = .023 m <sup>2</sup> /kg
GEOS solar radiation pressure	15% of nominal	Reflectivity coefficient, $C_R = 1.5$ Area/Mass = .004 m <sup>2</sup> /kg
Atmospheric drag (GEOS)	20% of nominal	Drag coefficient, $C_D = 2.0$
Product of universal gravitational constant times the mass of the earth (GM)	0.2 parts per million of nominal	$3.986008 \times 10^{14}$ m <sup>3</sup> /sec <sup>2</sup>
Tracking station location	2 meters in each component (x,y,z)	
Tropospheric refraction	10% of correction	
C-Band radar tracking system range bias	1m	Zero

**Table 3. Correlation Between Actual SST Data  
And Synthetic Data Due To Gravity Model Effects Above (12,12)**

SST Revolution No.	Correlation Coefficients*	
	Range-Rate Residuals	Accelerations
231	.68	.65
233	.43	.64
239	.66	.55
240	.73	.62
253	.73	.56
254	.77	.75
268	.26	.41
269	.76	.56
438	.53	.43
439	.81	.67
453	.66	.60
466	.13	.41
467	.24	.38
695	.60	.34
696	.72	.50
709	.68	.58
710	.65	.35
716	.32	.30
723	.71	.60
724	.89	.60
730	.35	.36
737	.35	.39
738	.82	.62
745	—	—
751	.88	.88
752	.77	.82
758	.71	.69
765	.60	.58
779	.70	.66
Average	.61	.55

$$* \text{CORR} = \rho = \frac{\sum_{i=1}^n (x_i - \bar{x})(y_i - \bar{y})}{\sqrt{\left(\sum_{i=1}^n (x_i - \bar{x})^2\right) \left(\sum_{i=1}^n (y_i - \bar{y})^2\right)}}$$

where  $x_i$  = SST range-rate residual or acceleration  
 $\bar{x}$  = mean value of SST range-rate residuals or accelerations  
 $y_i$  = synthetic range-rate residual or acceleration  
 $\bar{y}$  = mean value of synthetic range-rate residuals or accelerations  
 $n$  = number of points per revolution

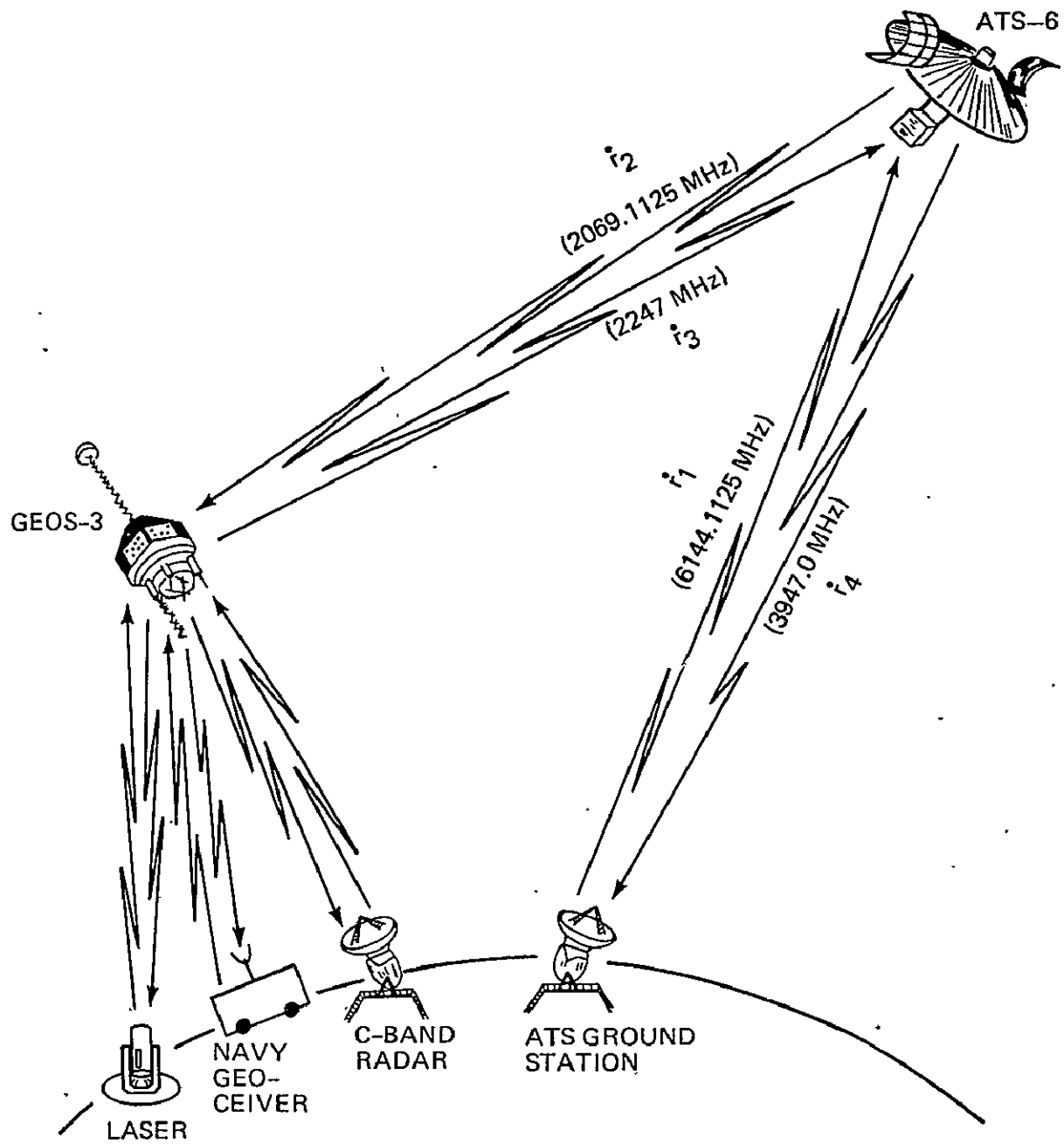


Figure 1. ATS-6/GEOS-3 SST Geometry

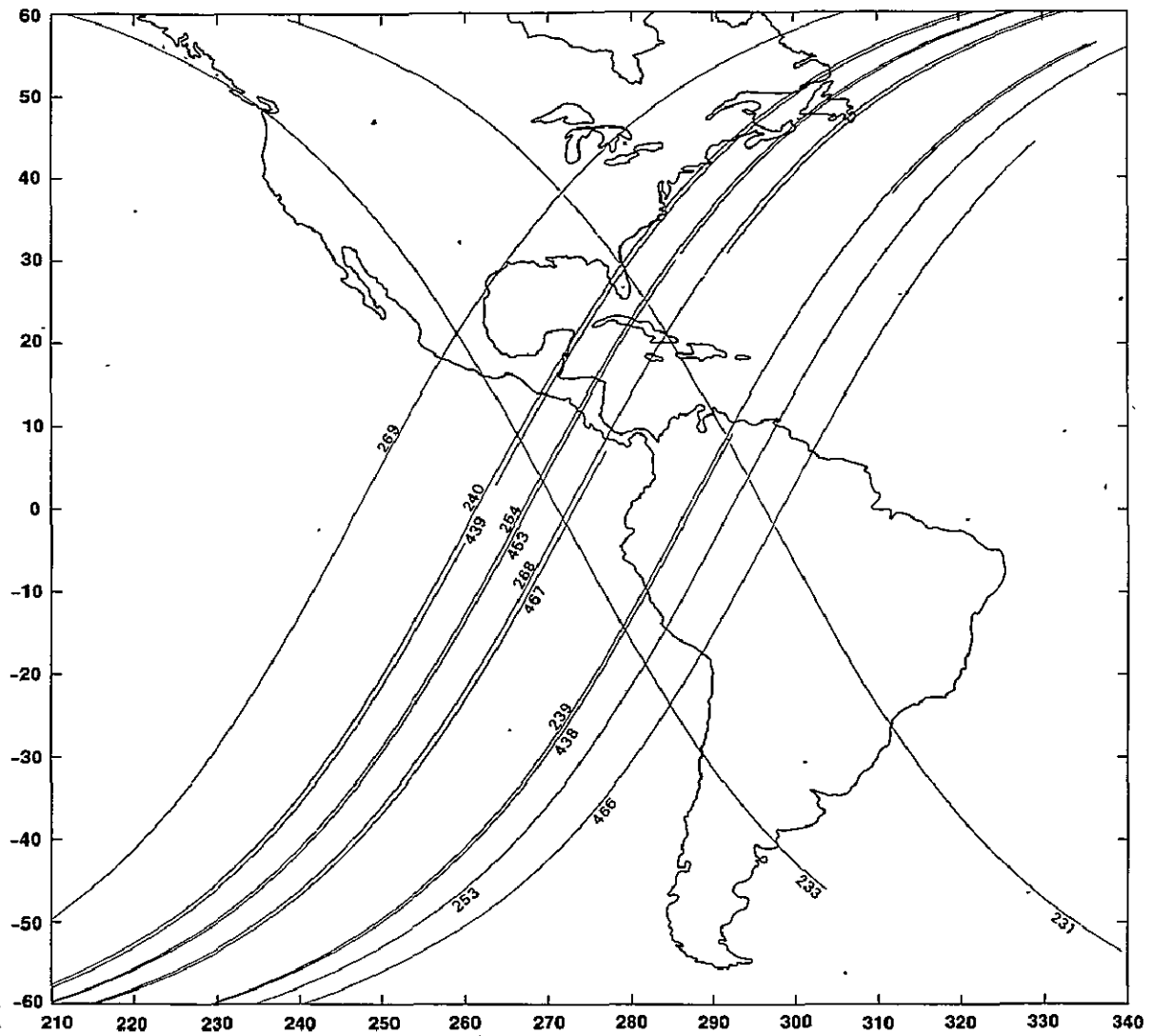


Figure 2-A. Ground Tracks of GEOS-3/ATS-6 Passes  
from April 26 to May 12, 1975.

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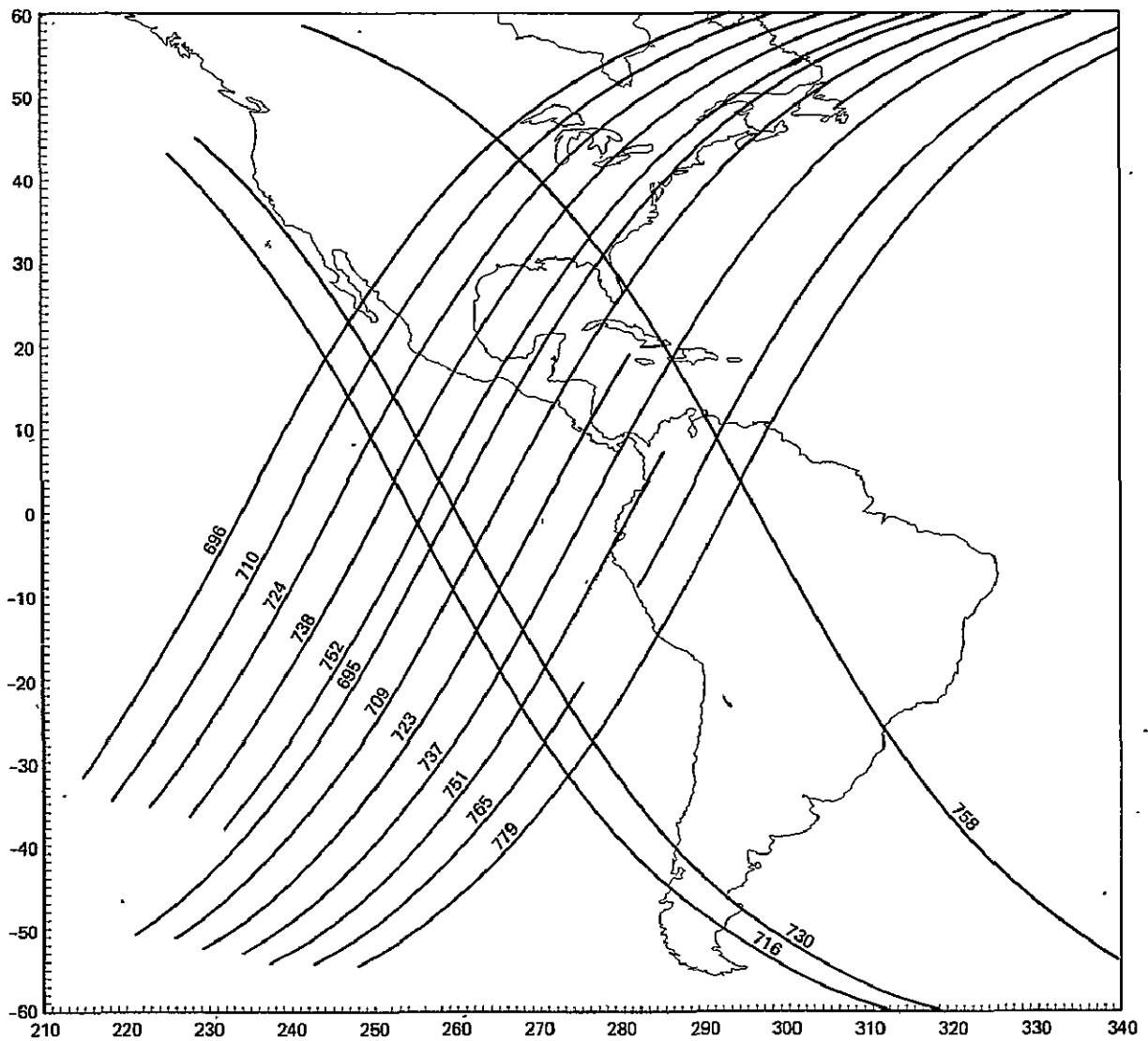


Figure 2-B. Ground Tracks of GEOS-3/ATS-6 Passes  
from May 29 to June 4, 1975.

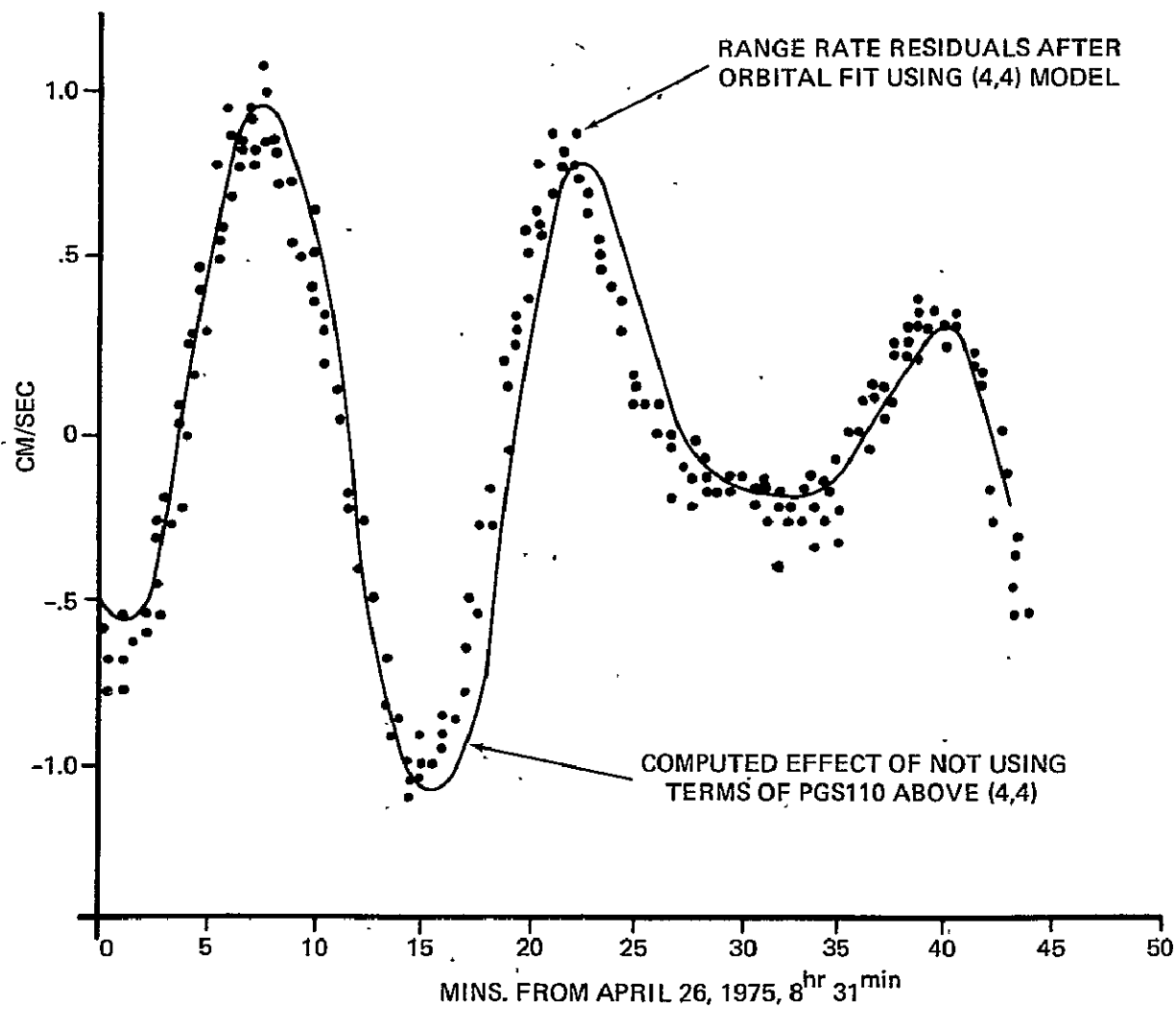


Figure 3. GEOS-3/ATS-6 SST Residuals Computed Using PGS-110 Gravity Model Coefficients to (4,4).

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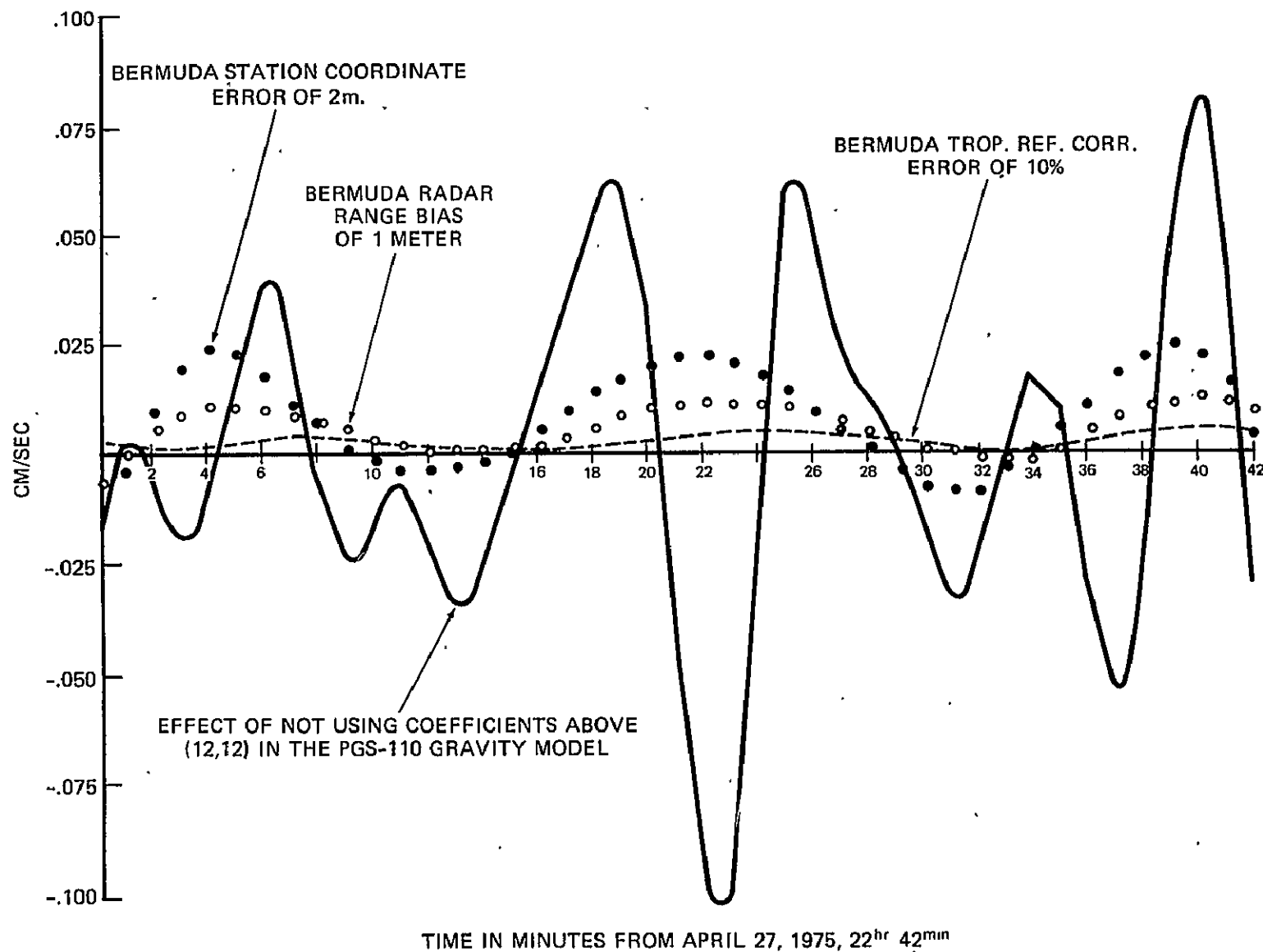


Figure 4. Synthetic SST Range Rate Residuals Due to Unmodeled Error Sources for Revolution 254.

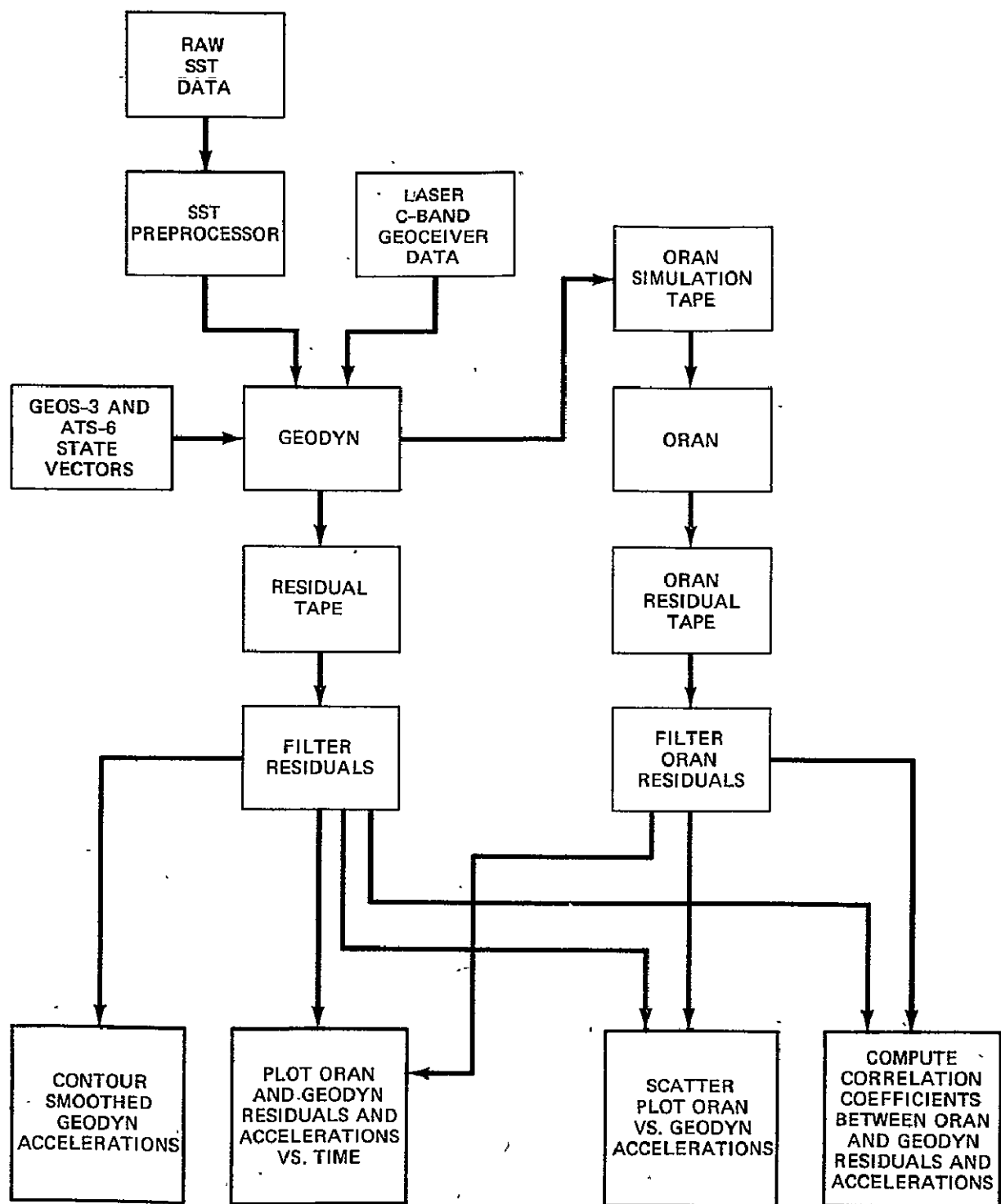


Figure 5. Flow Diagram of Data Reduction and Analysis

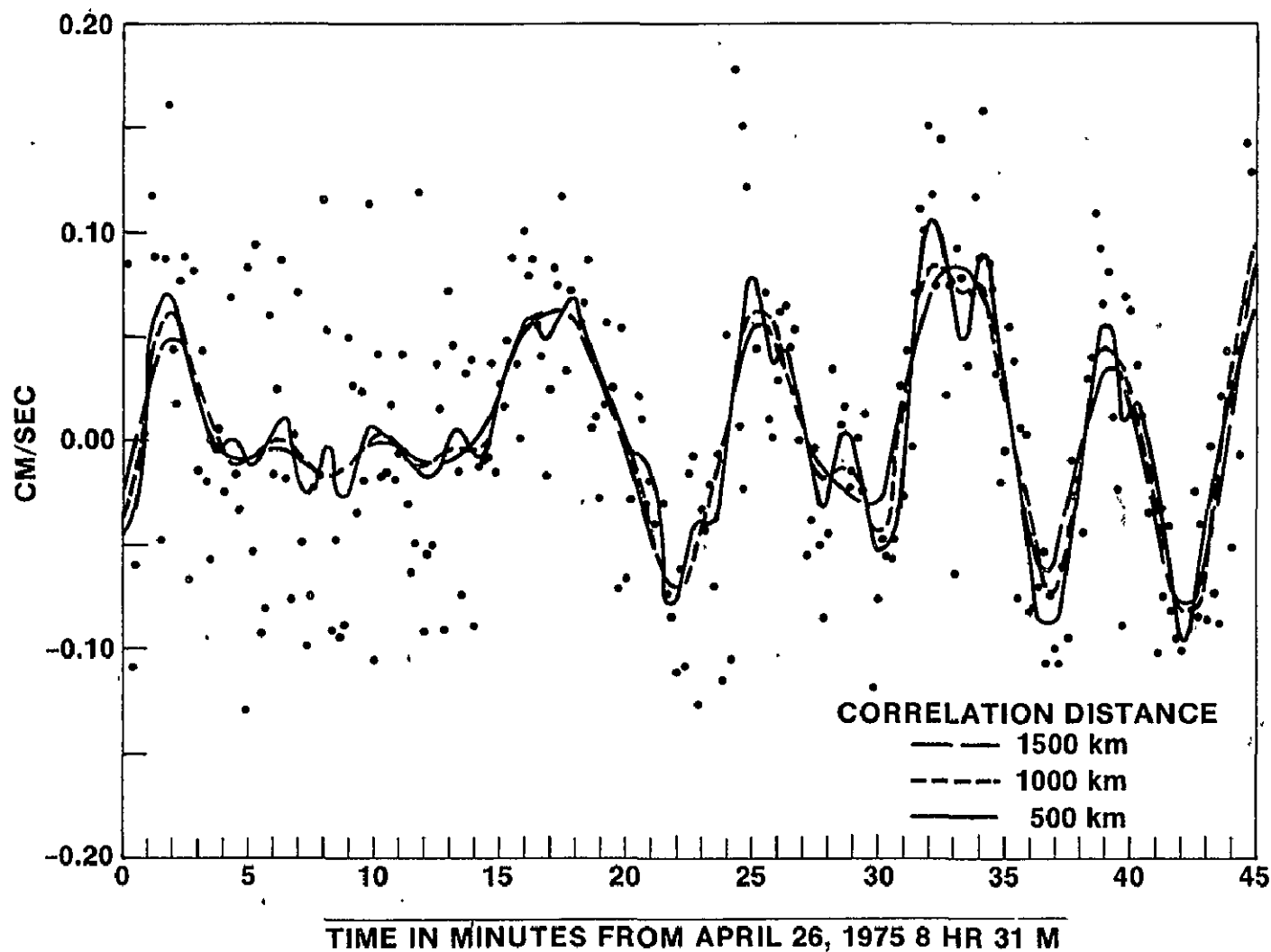


Figure 6. ATS-6/GEOS-3 Satellite to Satellite Range Rate Residuals for Revolution 231  
Smoothed Using Correlation Distances of 1500 km, 1000 km and 500 km.

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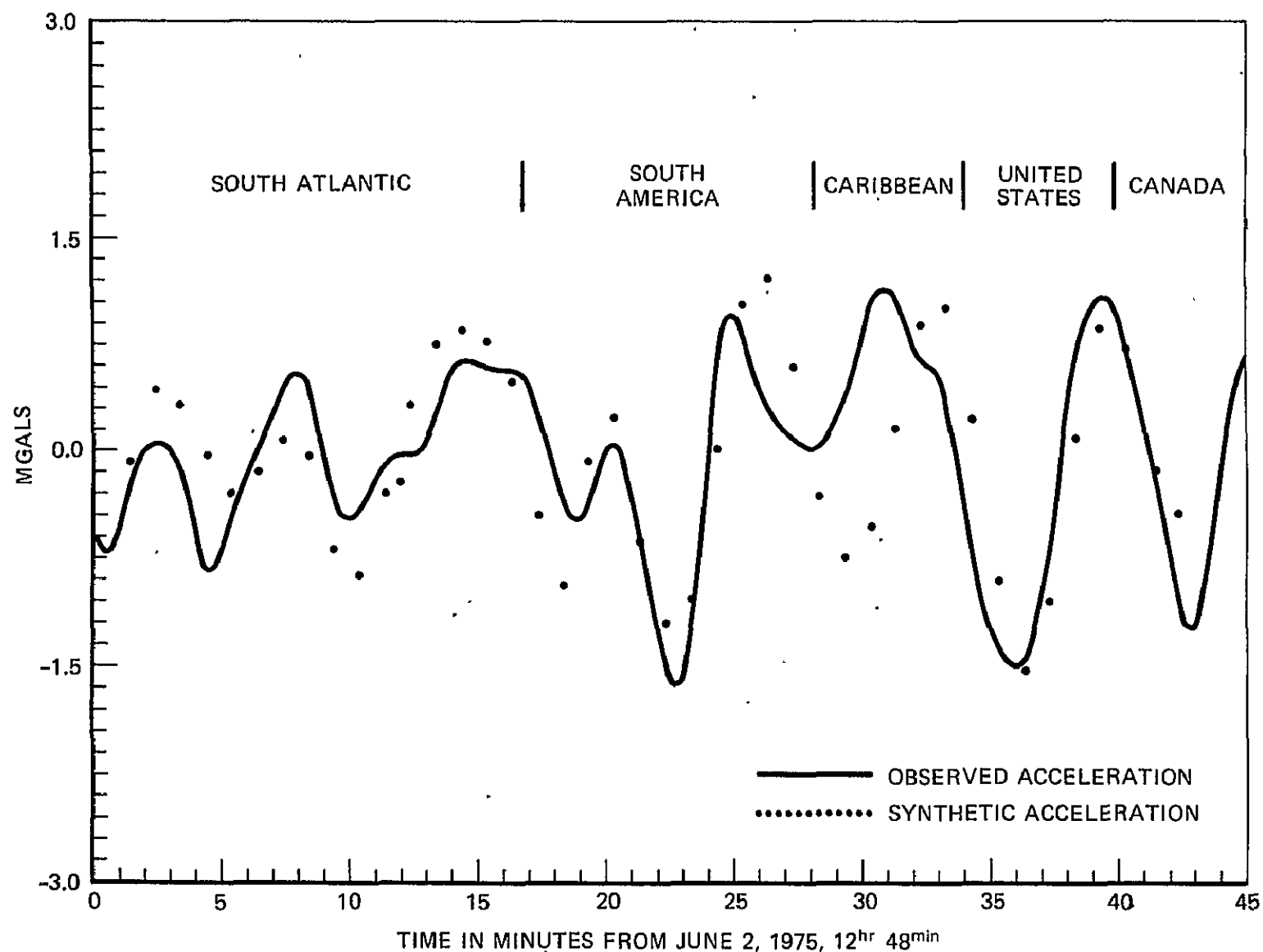


Figure 7. Comparison of Observed and Synthetic Accelerations for Revolution 758 - Ascending Pass Across North America. Accelerations are Relative to the PGS-110 (12,12) Gravity Model.

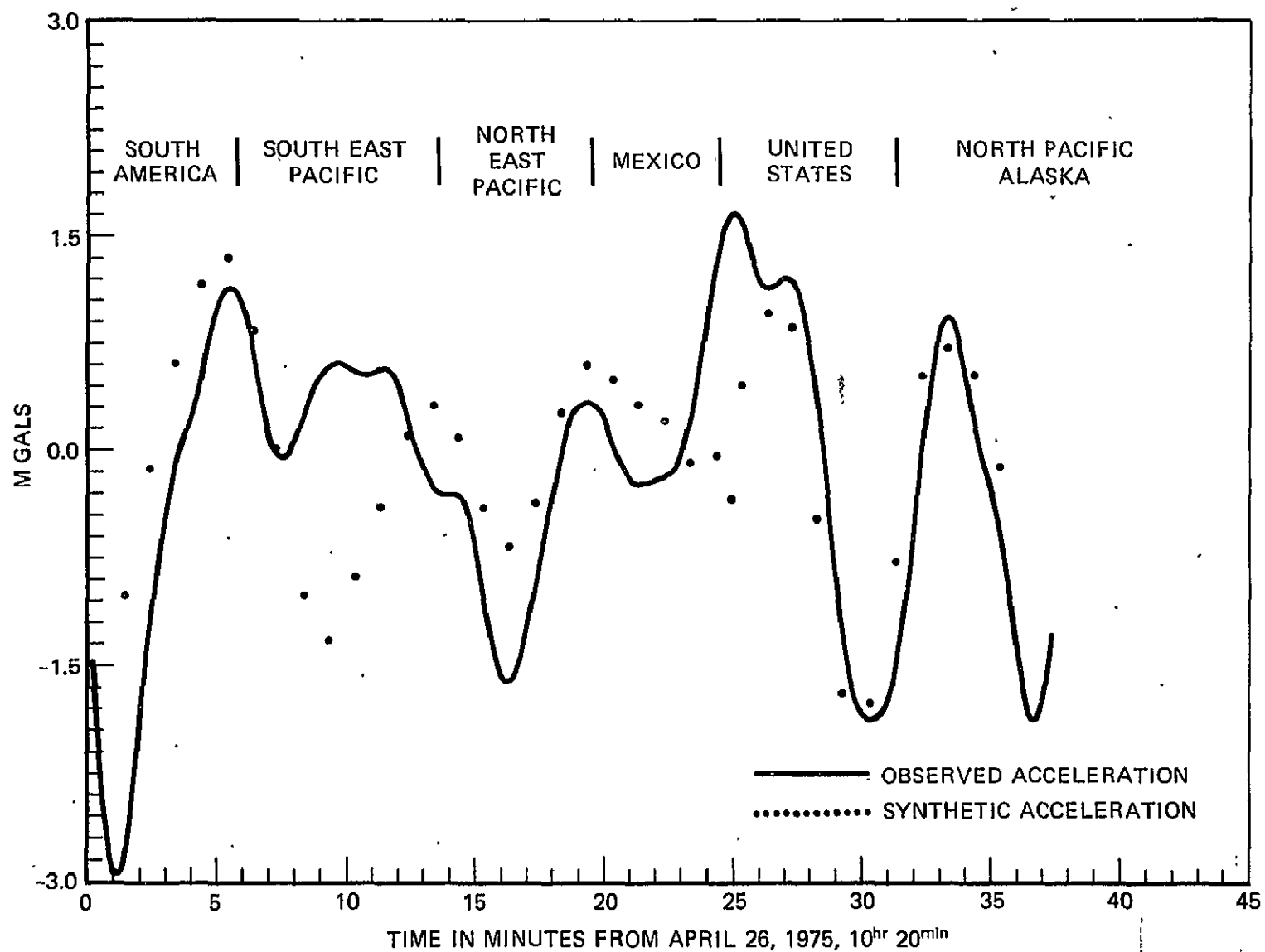


Figure 8. Comparison of Observed and Synthetic Accelerations for Revolution 233 - Ascending Pass Across North America. Accelerations are Relative to the PGS-110 (12,12) Gravity Model.

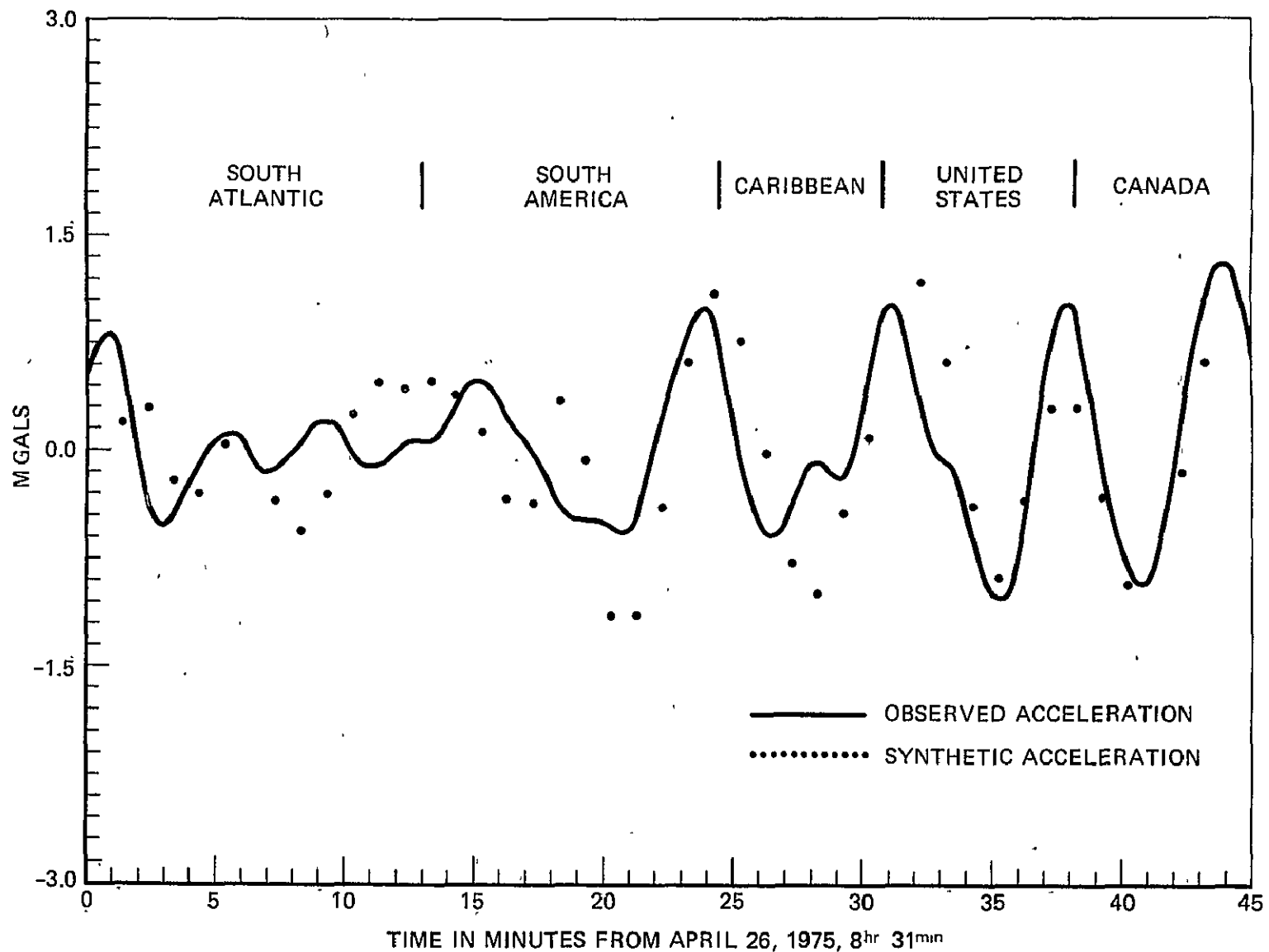


Figure 9. Comparison of Observed and Synthetic Accelerations for Revolution 231 — Ascending Pass Across North America. Accelerations are Relative to the PGS-110 (12, 12) Gravity Model.



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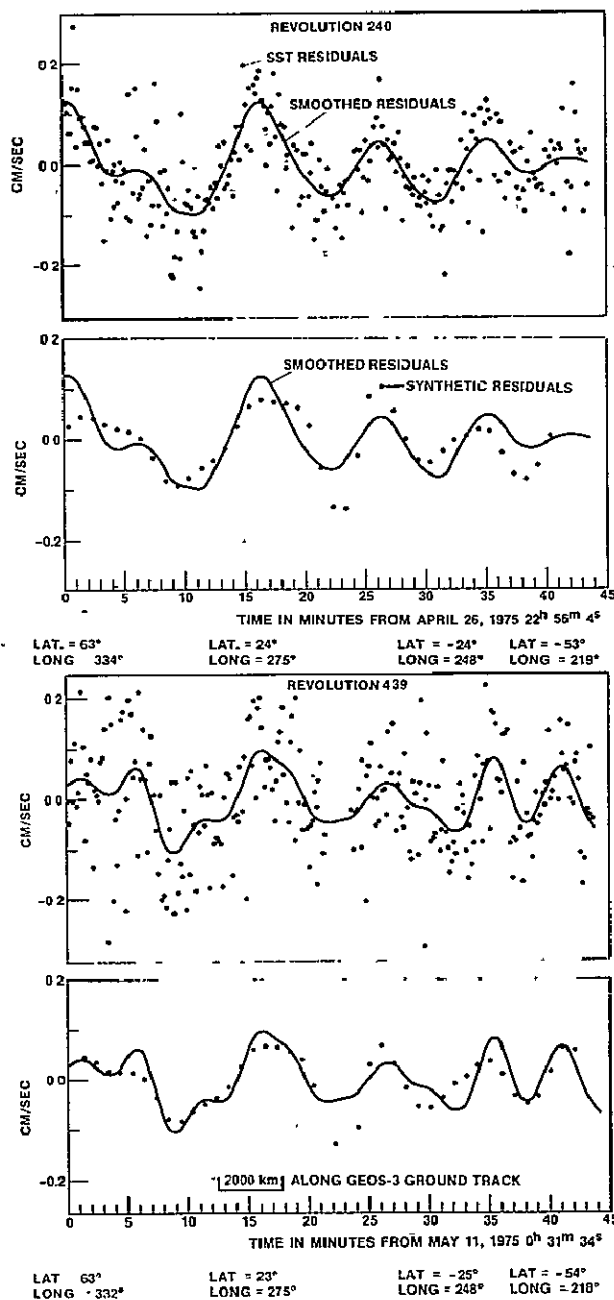


Figure 10. GEOS-3/ATS-6 SST -  
Range Rate Residuals Computed Using  
the PGS-110 Gravity Model Coefficients  
to (12,12) Along Overlapping  
Ground Tracks.

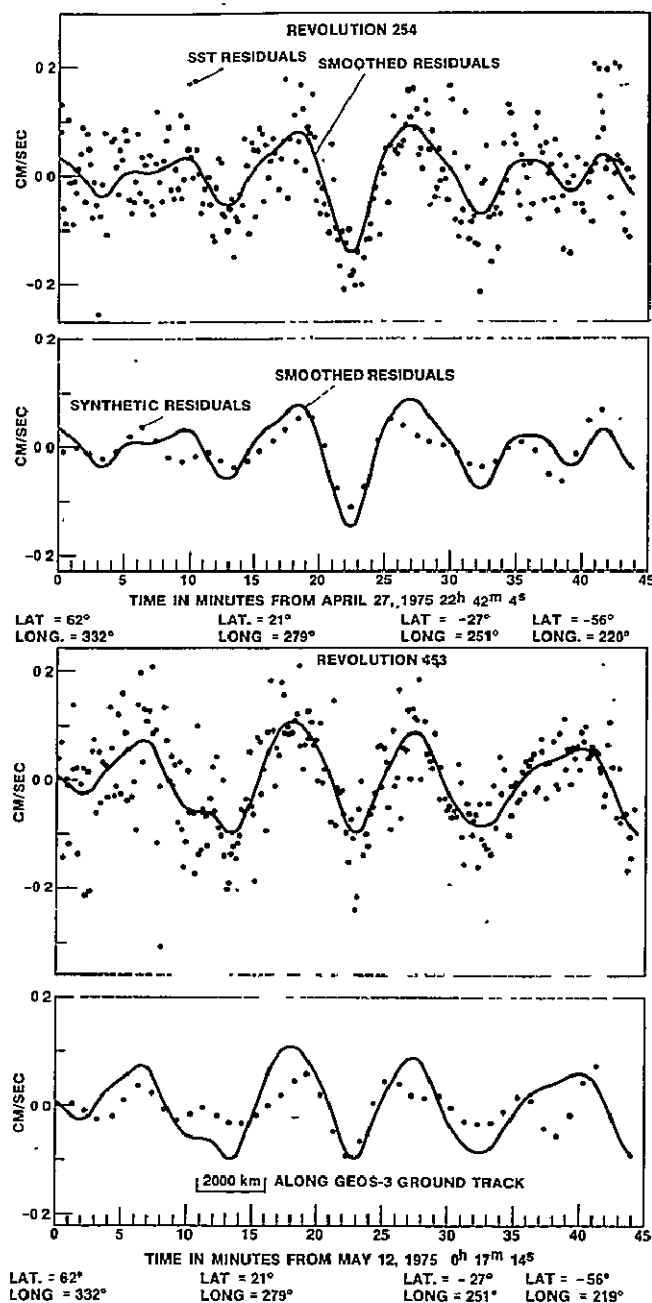


Figure 11. GEOS-3/ATS-6 SST –  
 Range Rate Residuals Computed Using  
 the PGS-110 Gravity Model Coefficients  
 to (12,12) Along Overlapping  
 Ground Tracks.

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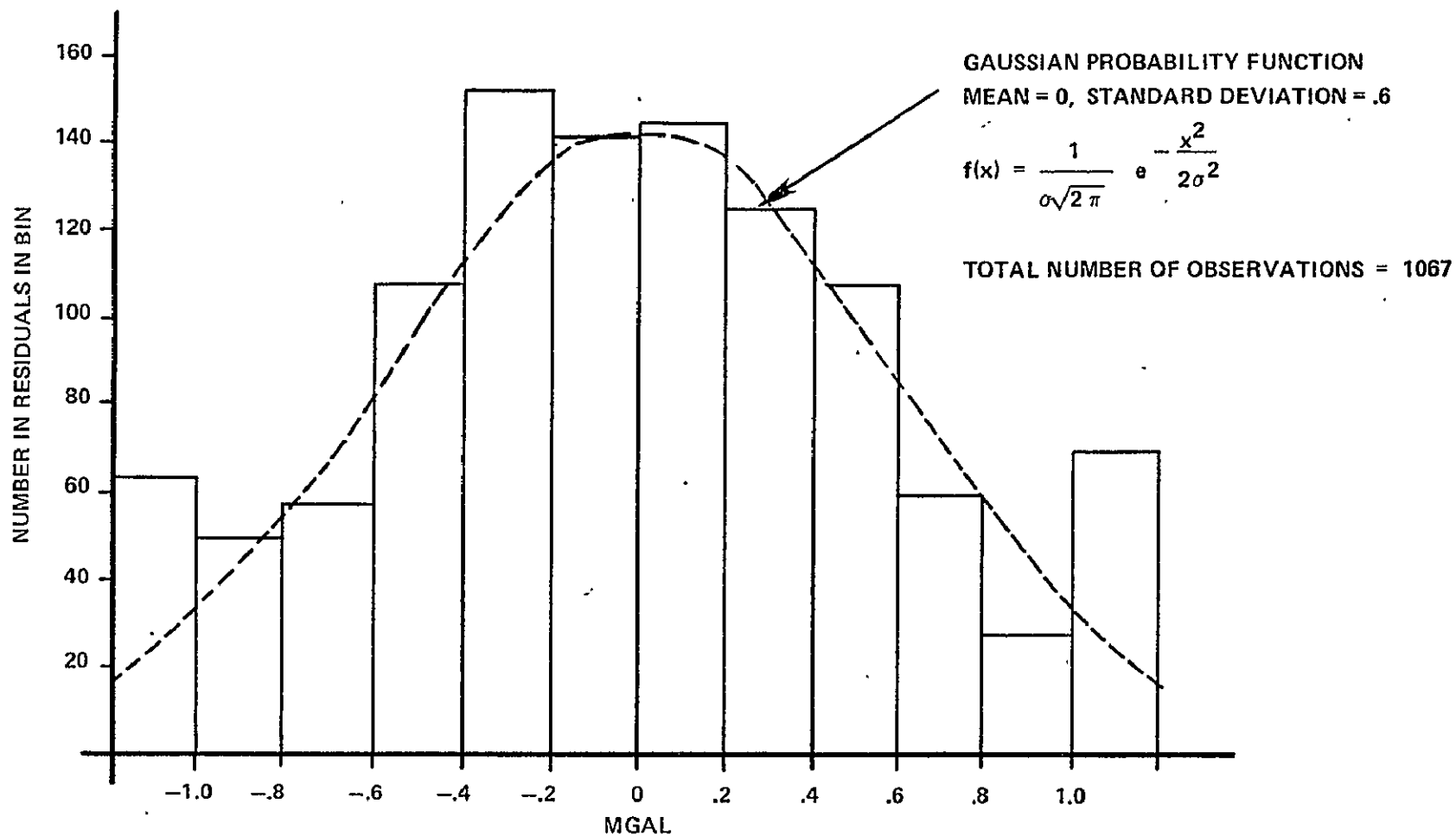


Figure 12. Histogram of Differences Between Synthetic Accelerations and Accelerations Derived from Range Rate Residuals.

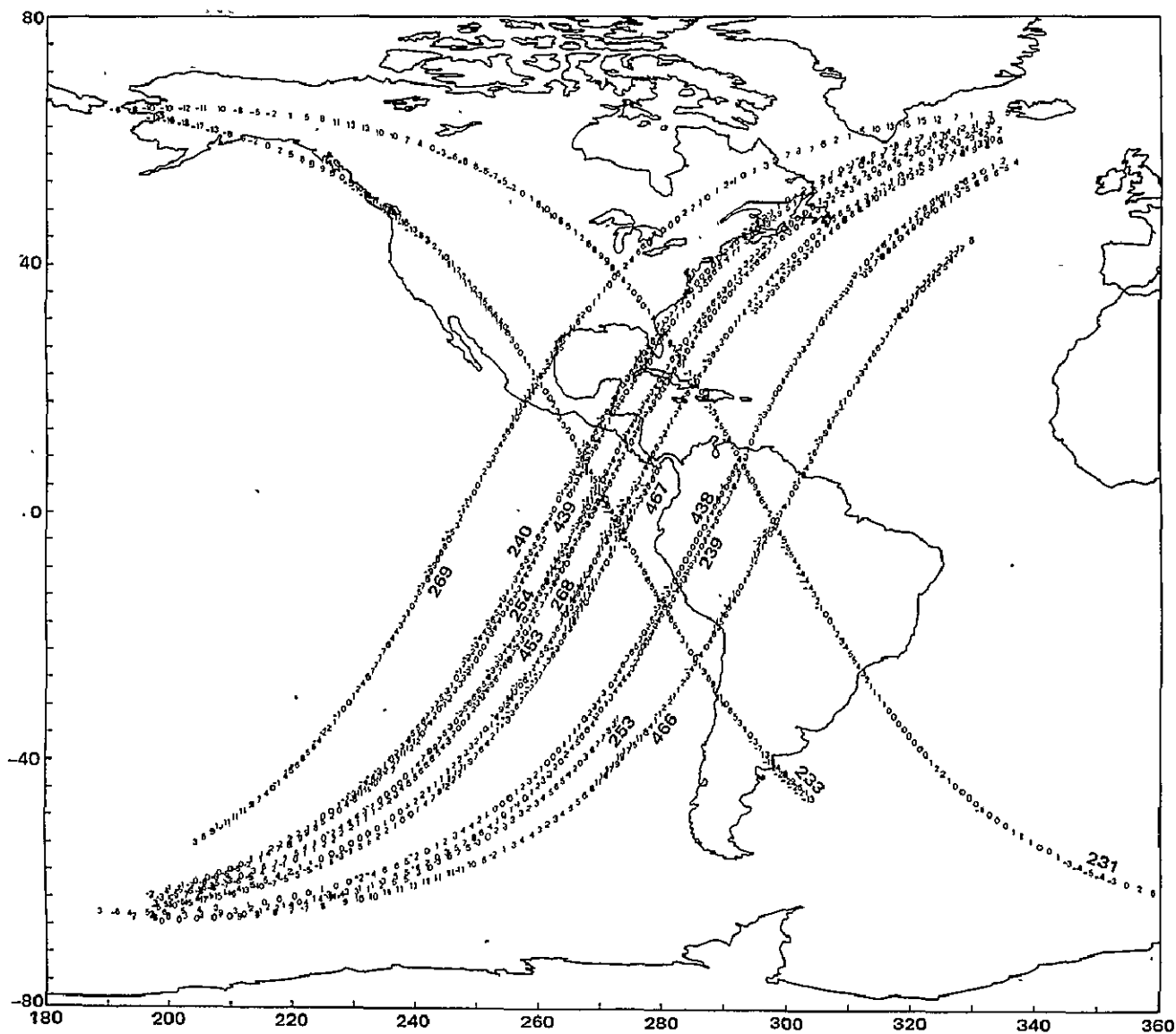


Figure 13. GEOS-3/ATS-6 Satellite to Satellite Accelerations Relative to PGS-110 (12,12) Gravity Model Units =  $\text{mgal} \times 10$

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# GEOS-3/ATS-6 SATELLITE TO SATELLITE ACCELERATIONS RELATIVE TO THE PGS-110(12,12) GRAVITY MODEL.

ATS-6 SUBSATELLITE LONGITUDE IS 266° EAST.

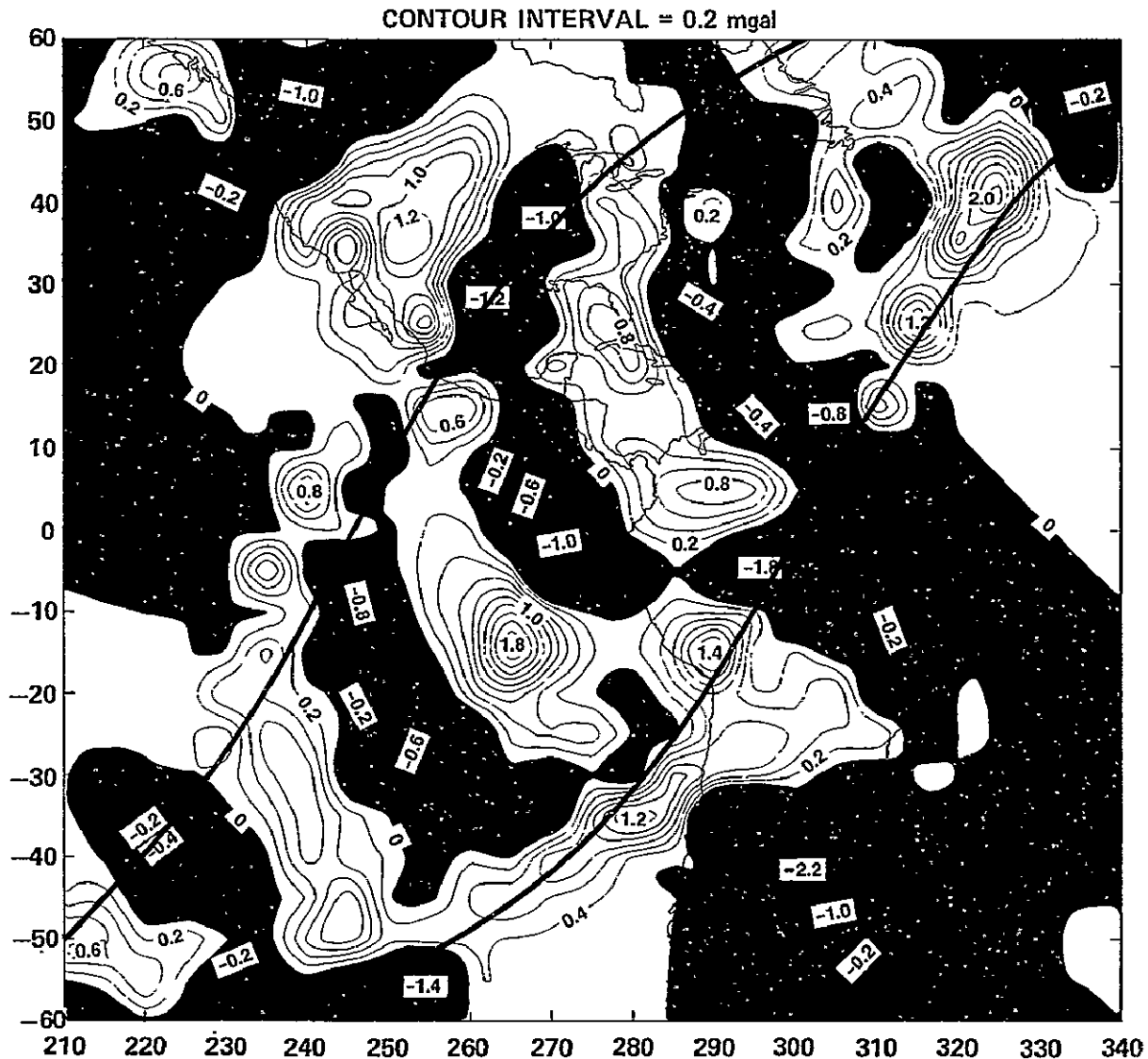


Figure 14-A. GEOS-3/ATS-6 Satellite to Satellite Accelerations  
Relative to the PGS-110 (12, 12) Gravity Model.  
The Area Primarily Covered by the SST Tracks is Outlined in the Central  
Portion of the Map. ATS-6 Subsattellite Longitude is 266° East.

# GEOS-3/ATS-6 SATELLITE TO SATELLITE ACCELERATIONS RELATIVE TO THE PGS-110 (12,12) GRAVITY MODEL.

THE ATS-6 SUBSATELLITE LONGITUDE VARIED FROM 296° TO 319° EAST.

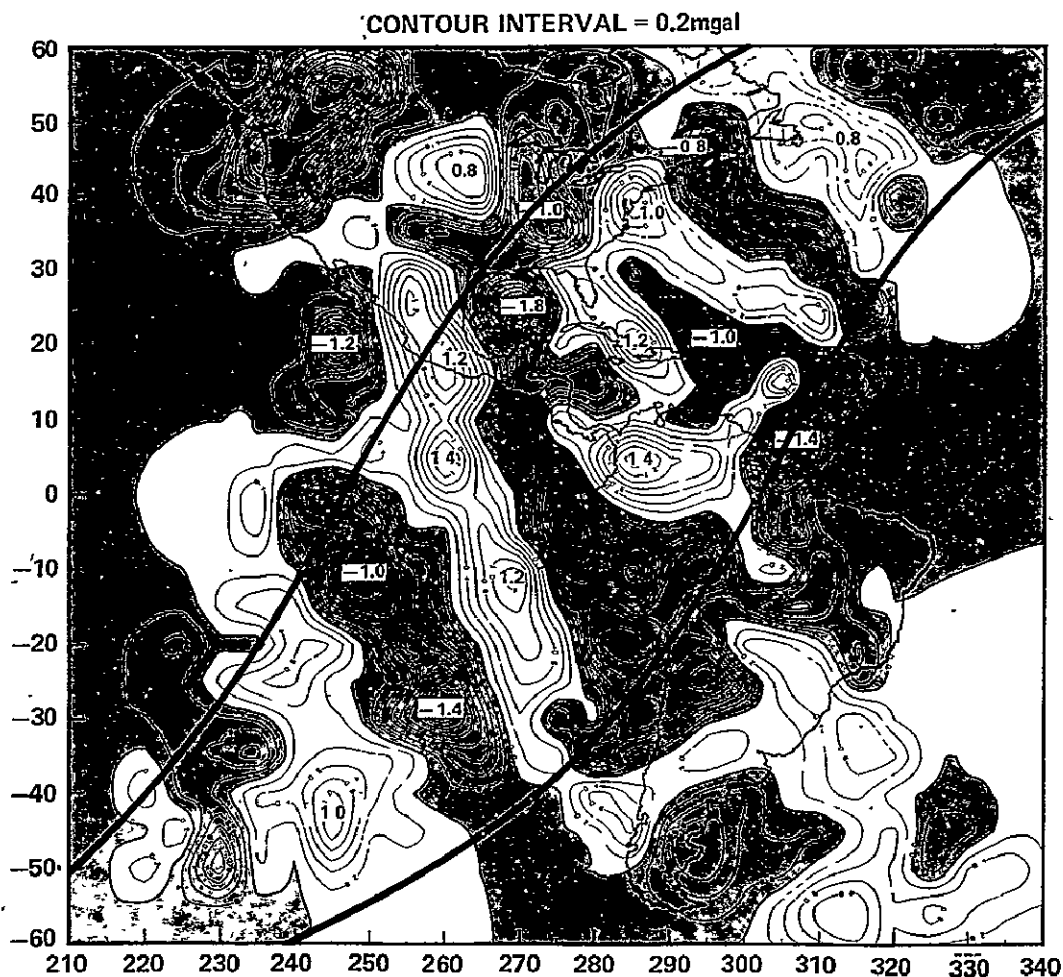


Figure 14-B. GEOS-3/ATS-6 Satellite to Satellite Accelerations Relative to the PGS-110 (12, 12) Gravity Model. The Area Primarily Covered by the SST Tracks is Outlined in the Central Portion of the Map.

The ATS-6 Subsattellite Longitude Varied from 296° to 319° East.

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**GEOS-3/ATS-6 SATELLITE TO SATELLITE  
ACCELERATIONS RELATIVE TO THE PGS-110 (12,12) GRAVITY MODEL.  
THIS MAP IS BASED UPON A COMBINATION OF ALL THE DATA**

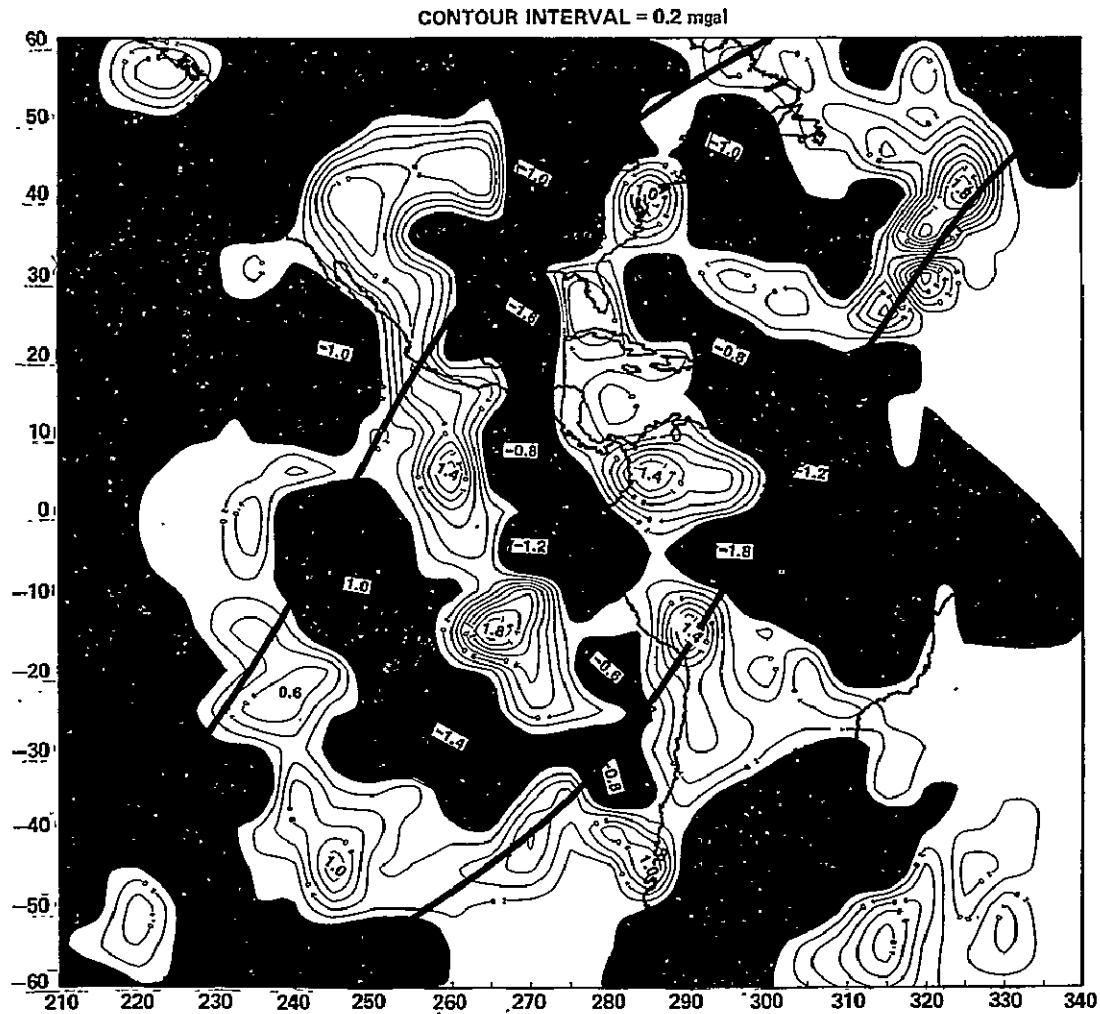


Figure 14-C. GEOS-3/ATS-6 Satellite to Satellite Accelerations Relative to the PGS-110 (12, 12) Gravity Model. This Map is Based Upon a Combination of the Data Displayed in Figures 14-A and 14-B.

The Area Primarily Covered by the SST Tracks is Outlined in the Central Portion of the Map.

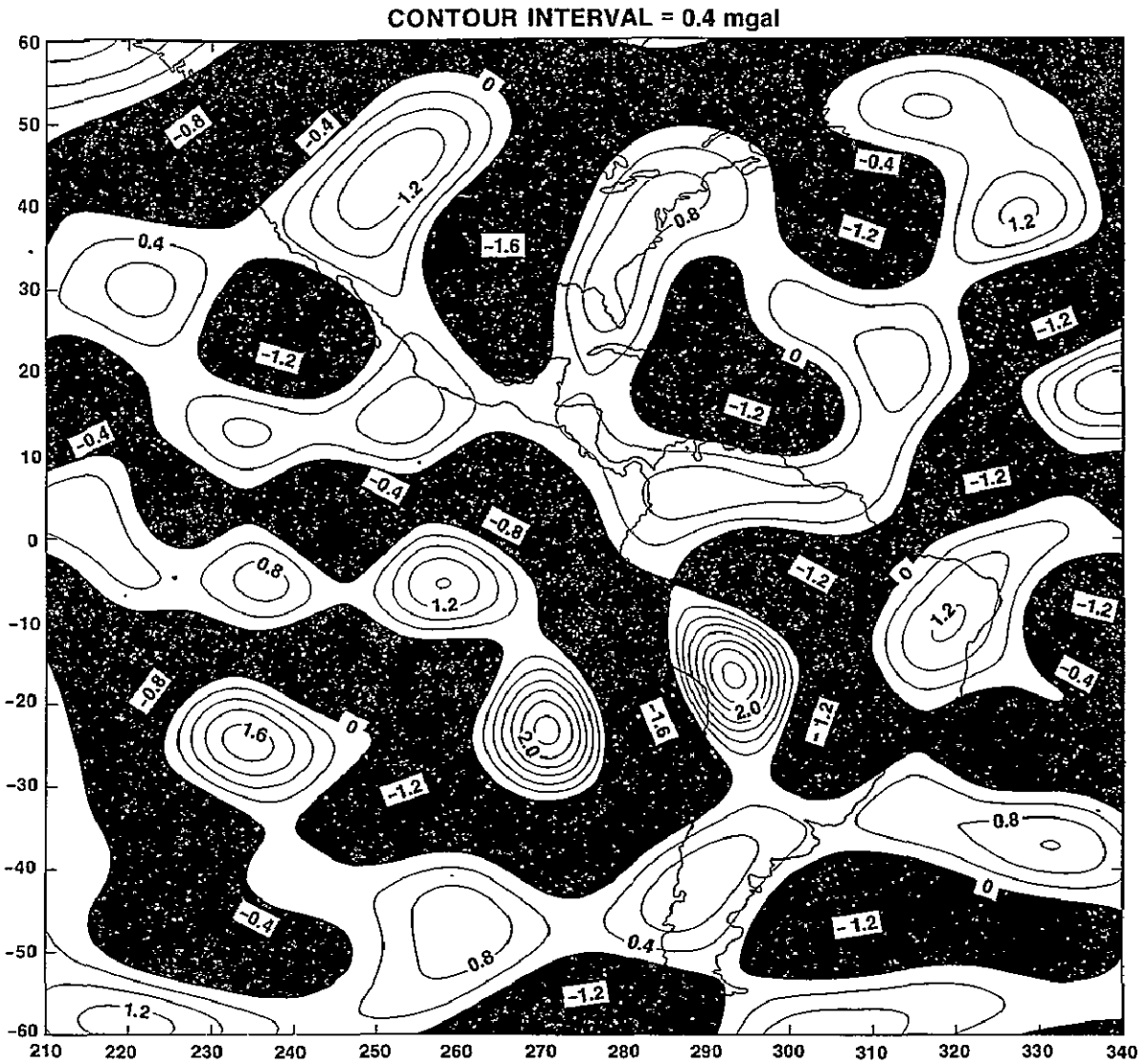


Figure 15. Gravity Anomalies Evaluated at the GEOS-3 Altitude of 840 km  
Corresponding to the Coefficients Above (12,12) in the PGS-110 Model



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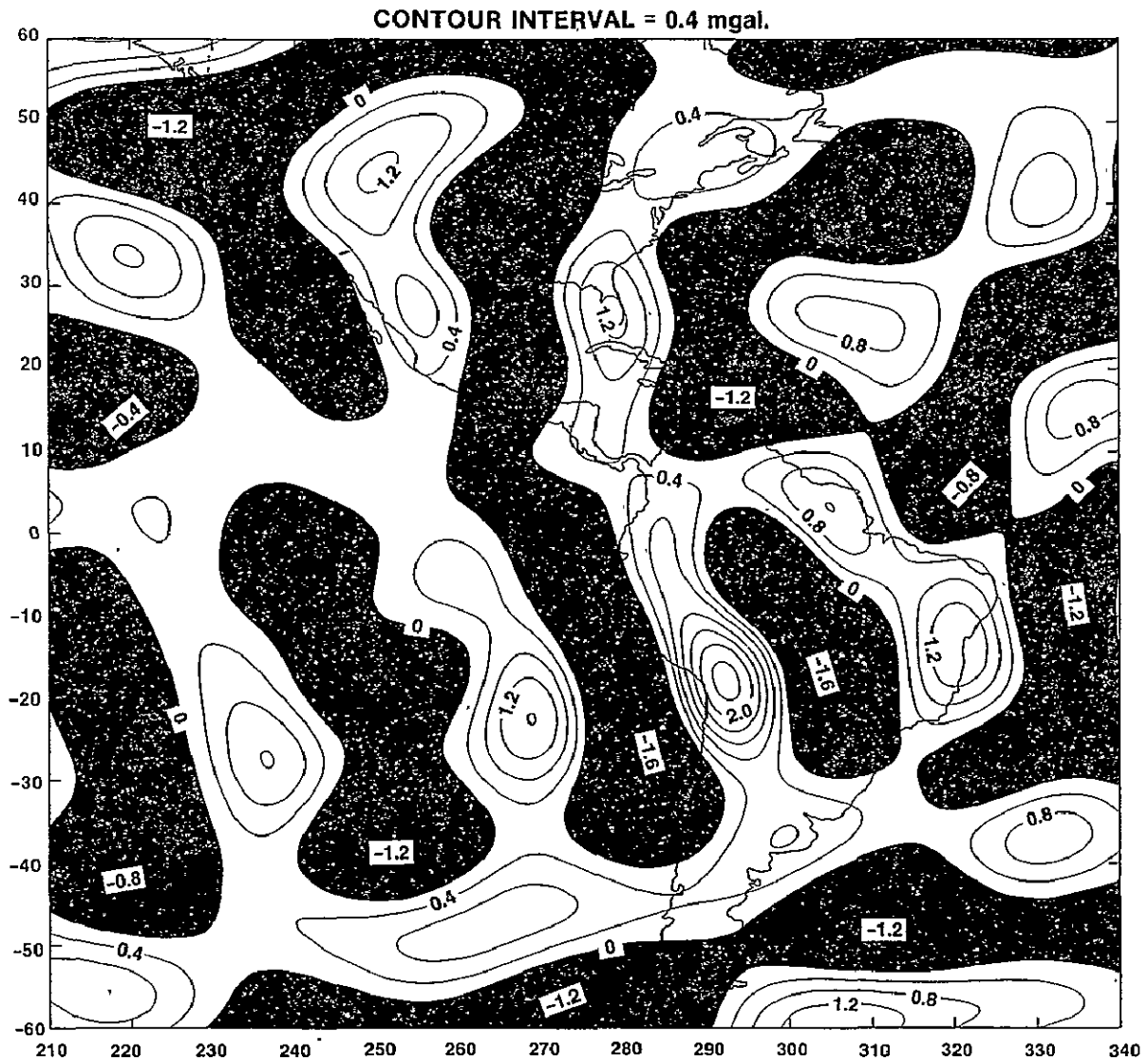


Figure 16. Gravity Anomalies Evaluated at the GEOS-3 Altitude of 840 km  
Corresponding to the Coefficients Above (12,12) in the Rapp 1977 Model

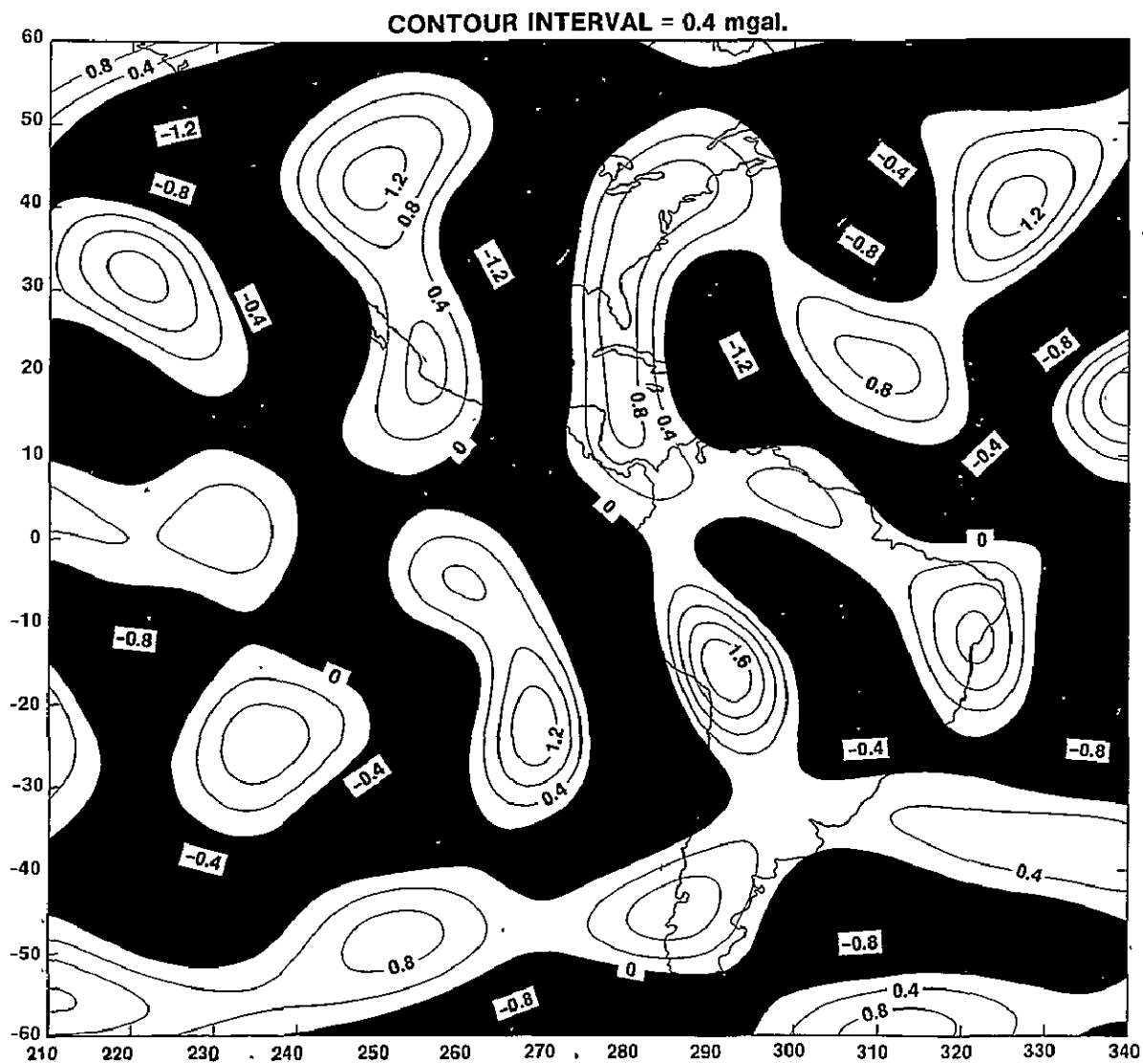


Figure 17. Gravity Anomalies Evaluated at the GEOS-3 Altitude of 840 km Corresponding to the Coefficients Above (12,12) in the GEM-10 Model

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## APPENDIX

This appendix presents plots of the range rate residuals, accelerations, scatter diagrams and tabulations of the data for the SST passes analyzed.

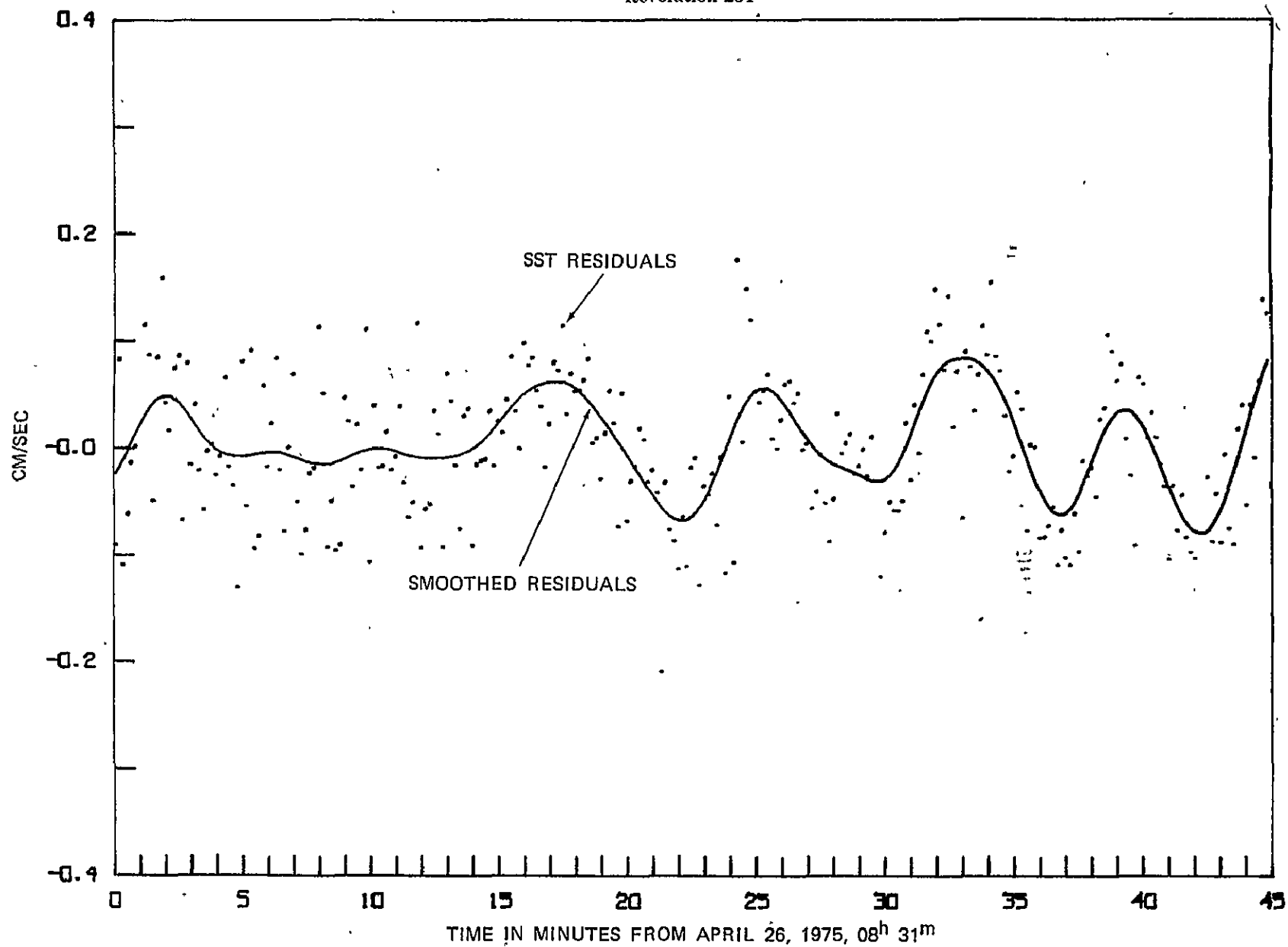
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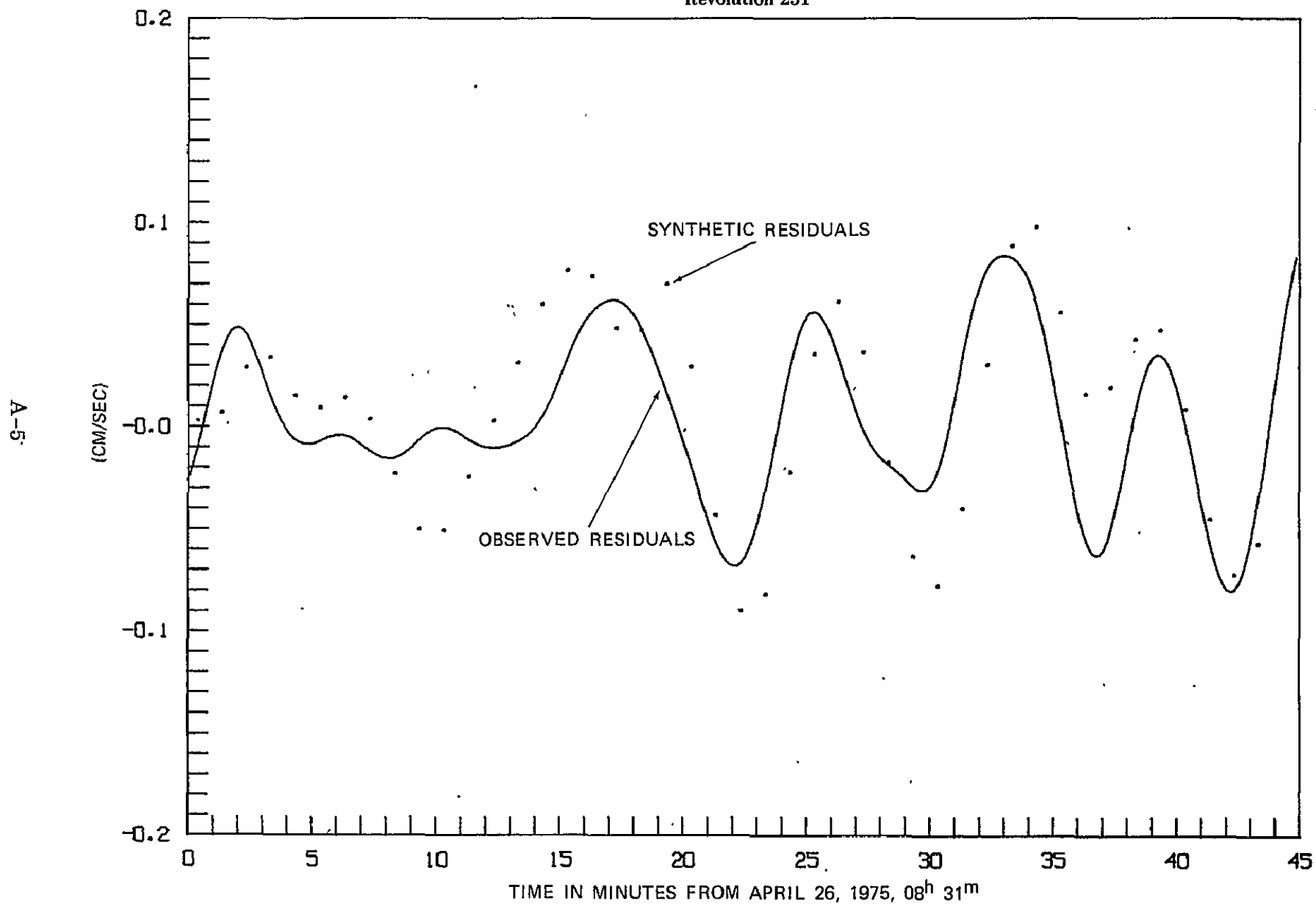
GEOS-3 Revolution No. 231

April 26, 1975, 08<sup>h</sup> 31<sup>m</sup>

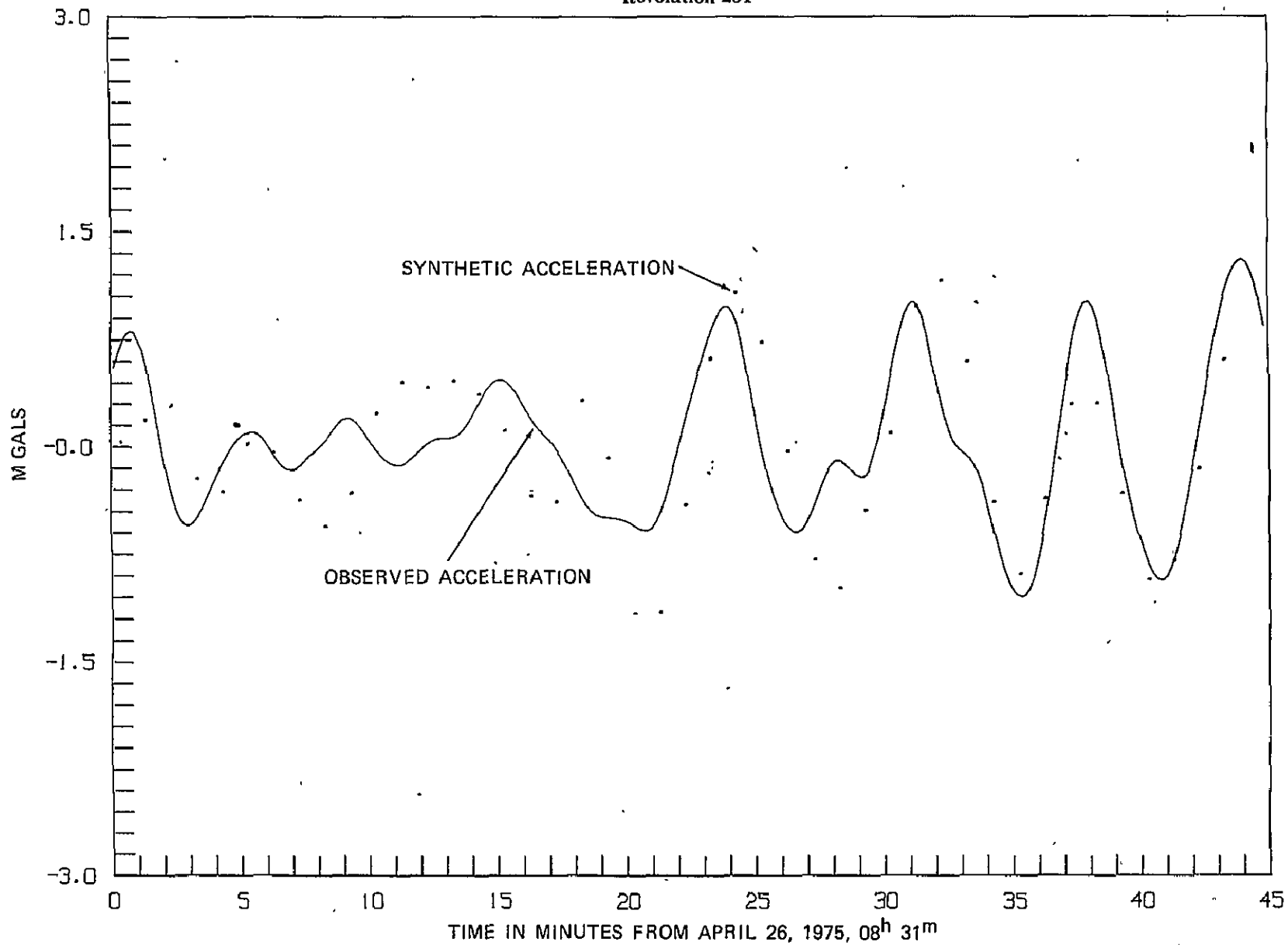
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 231



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 231



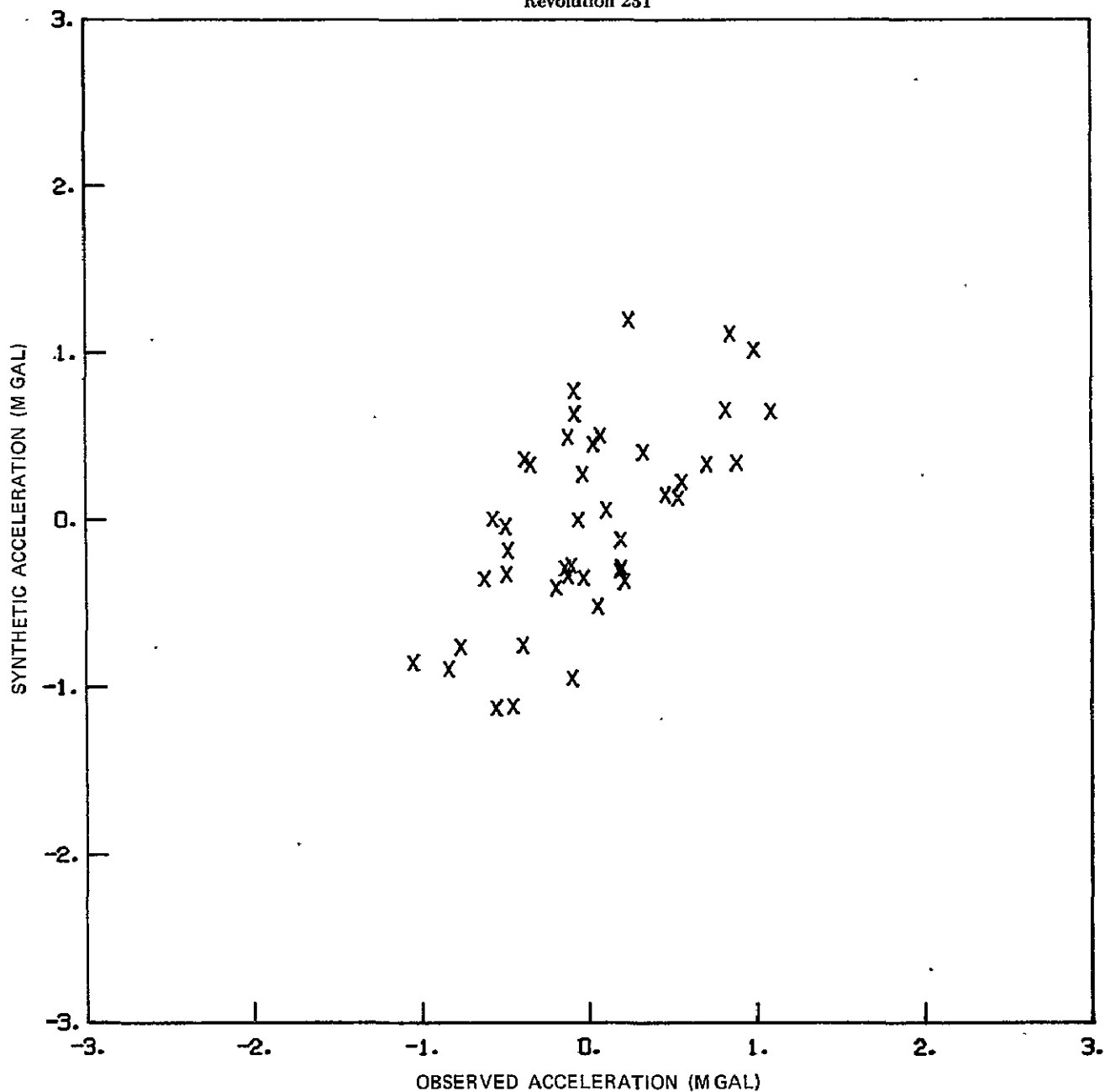
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 231



A-6  
ORIGINAL PAGE IS  
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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 231



REVOLUTION 231

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750426	831	4.	-63.02	7.68	-0.08720	-0.02386		0.55848	
750426	831	14.	-62.80	6.45	-0.08745	-0.01712		0.64556	
750426	831	24.	-62.56	5.24	-0.10546	-0.00954	0.005177	0.72234	0.068767
750426	831	34.	-62.32	4.03	-0.05703	-0.00186		0.77992	
750426	831	44.	-62.06	2.87	-0.00902	0.00685		0.88894	
750426	831	54.	-61.80	1.72	0.00591	0.01529		0.80234	
750426	832	14.	-61.25	359.47	0.11981	0.03093		0.67141	
750426	832	24.	-60.96	358.37	0.09064	0.03748	0.009303	0.55261	0.227237
750426	832	34.	-60.66	357.29	0.04540	0.04273		0.40851	
750426	832	44.	-60.36	356.23	0.08941	0.04637		0.24784	
750426	832	54.	-60.05	355.19	0.16341	0.04831		0.08058	
750426	833	4.	-59.73	354.17	0.04622	0.04857		0.08140	
750426	833	14.	-59.40	353.17	0.02061	0.04722		-0.22771	
750426	833	24.	-59.06	352.19	0.07930	0.04443	0.031276	-0.35127	0.327232
750426	833	34.	-58.72	351.22	0.09060	0.04046		-0.44700	
750426	833	44.	-58.38	350.27	-0.06360	0.03560		-0.51164	
750426	833	54.	-58.02	349.34	-0.08373	0.03014		-0.54546	
750426	834	4.	-57.66	348.43	-0.01156	0.02440		-0.55042	
750426	834	14.	-57.30	347.54	0.04535	0.01867		-0.52964	
750426	834	24.	-56.93	346.66	-0.01709	0.01319	0.036324	-0.44739	-0.165120
750426	834	34.	-56.55	345.80	-0.05414	0.00815		-0.42944	
750426	834	44.	-56.17	344.95	-0.00165	0.00367		-0.36288	
750426	834	54.	-55.78	344.12	-0.00805	-0.00014		-0.29402	
750426	835	4.	-55.39	343.31	-0.02149	-0.00324		-0.22714	
750426	835	14.	-54.99	342.51	-0.00298	-0.00562		-0.16482	
750426	835	24.	-54.59	341.73	0.07044	-0.00731	0.017485	-0.10779	-0.276302
750426	835	34.	-54.18	340.96	-0.01336	-0.00834		-0.05497	
750426	835	44.	-53.77	340.20	-0.03116	-0.00878		-0.00588	
750426	835	54.	-53.36	339.46	-0.12651	-0.00876		0.03752	
750426	836	4.	-52.94	338.73	-0.08532	-0.00838		0.07134	
750426	836	14.	-52.51	338.02	-0.05055	-0.00768		0.09355	
750426	836	24.	-52.09	337.31	0.09623	-0.00680	0.011695	0.10386	0.058881
750426	836	34.	-51.66	336.62	-0.09011	-0.00584		0.10302	
750426	836	44.	-51.22	335.95	-0.07760	-0.00500		0.09043	
750426	836	54.	-50.79	335.28	0.06276	-0.00440		0.06451	
750426	837	4.	-50.35	334.63	0.01357	-0.00411		0.02646	
750426	837	14.	-49.90	333.99	0.02783	-0.00419		-0.01963	
750426	837	24.	-49.45	333.35	0.08865	-0.00466	0.016616	-0.06763	-0.002671
750426	837	34.	-49.00	332.73	-0.01624	-0.00550		-0.11013	
750426	837	44.	-48.55	332.12	-0.07377	-0.00668		-0.14155	
750426	837	54.	-48.10	331.52	-0.00513	-0.00812		-0.15973	
750426	838	4.	-47.64	330.93	0.07374	-0.00968		-0.16401	
750426	838	14.	-47.18	330.35	-0.04605	-0.01120		-0.15352	
750426	838	24.	-46.71	329.78	-0.09637	-0.01261	0.005927	-0.13020	-0.336596
750426	838	34.	-46.25	329.21	-0.07165	-0.01386		-0.09993	
750426	838	44.	-45.78	328.66	-0.01909	-0.01488		-0.06893	
750426	838	54.	-45.31	328.11	-0.01381	-0.01559		-0.04103	
750426	839	4.	-44.83	327.57	0.11834	-0.01594		-0.01576	
750426	839	14.	-44.36	327.04	0.05515	-0.01585		0.01188	
750426	839	24.	-43.88	326.52	-0.08876	-0.01533	-0.020743	0.04653	-0.518893
750426	839	34.	-43.40	326.01	-0.04458	-0.01443		0.08843	
750426	839	44.	-42.92	325.50	-0.09269	-0.01314		0.03231	
750426	839	54.	-42.44	325.00	-0.08622	-0.01165		0.17021	
750426	840	4.	-41.95	324.51	0.05177	-0.00989		0.19456	
750426	840	14.	-41.46	324.02	0.02893	-0.00798		0.22017	
750426	840	24.	-40.98	323.54	-0.03224	-0.00605	-0.048062	0.19214	-0.267278
750426	840	34.	-40.49	323.07	0.02661	-0.00427		0.16765	
750426	840	44.	-39.99	322.60	-0.01619	-0.00275		0.13154	
750426	840	54.	-39.50	322.14	0.11591	-0.00158		0.08822	
750426	841	4.	-39.00	321.69	-0.10275	-0.00081		0.04389	
750426	841	14.	-38.51	321.24	0.04437	-0.00050		-0.00032	
750426	841	24.	-38.01	320.79	-0.01418	-0.00063	-0.048675	-0.03989	0.271406
750426	841	34.	-37.51	320.36	-0.01251	-0.00115		-0.07392	
750426	841	44.	-37.01	319.92	0.02006	-0.00201		-0.10132	
750426	841	54.	-36.51	319.49	-0.01642	-0.00312		-0.12099	
750426	842	4.	-36.00	319.07	-0.00306	-0.00439		-0.13202	
750426	842	14.	-35.50	318.65	0.04377	-0.00571		-0.13372	
750426	842	24.	-34.99	318.24	-0.02869	-0.00699	-0.022246	-0.12643	-0.492446
750426	842	34.	-34.48	317.83	-0.06037	-0.00817		-0.10798	
750426	842	44.	-33.98	317.43	-0.04608	-0.00918		-0.08428	
750426	842	54.	-33.47	317.03	0.12154	-0.00994		-0.05710	
750426	843	4.	-32.96	316.63	-0.08933	-0.01040		-0.02779	
750426	843	14.	-32.44	316.24	-0.05199	-0.01059		0.00156	
750426	843	24.	-31.93	315.85	-0.04800	-0.01055	0.005168	0.02692	0.450958
750426	843	34.	-31.42	315.46	0.03952	-0.01031		0.04498	
750426	843	44.	-30.90	315.08	0.01730	-0.00989		0.05528	
750426	843	54.	-30.39	314.71	-0.08822	-0.00933		0.05959	
750426	844	4.	-29.87	314.33	0.07467	-0.00868		0.06020	
750426	844	14.	-29.35	313.96	0.04810	-0.00790		0.06146	
750426	844	24.	-28.83	313.59	-0.01196	-0.00655	0.033696	0.06913	0.500820
750426	844	34.	-28.32	313.23	-0.07128	-0.00579		0.08724	
750426	844	44.	-27.80	312.87	0.03492	-0.00435		0.11679	
750426	844	54.	-27.27	312.51	0.04146	-0.00252		0.15766	
750426	845	4.	-26.75	312.16	-0.08696	-0.00019		0.20888	
750426	845	14.	-26.23	311.81	-0.01034	0.00265		0.26552	
750426	845	24.	-25.71	311.46	-0.00707	0.00604	0.062344	0.32490	0.404559
750426	845	34.	-25.18	311.11	-0.00565	0.00996		0.37853	
750426	845	44.	-24.66	310.77	0.03925	0.01435		0.42279	
750426	845	54.	-24.13	310.42	-0.01279	0.01913		0.45442	
750426	846	4.	-23.61	310.08	0.02979	0.02414		0.47097	
750426	846	14.	-23.08	309.75	0.01887	0.02923		0.47107	
750426	846	24.	-22.55	309.41	0.05024	0.03425	0.079048	0.45486	0.148540
750426	846	34.	-22.03	309.08	0.09008	0.03906		0.42432	
750426	846	44.	-21.50	308.75	0.03867	0.04355		0.38310	
750426	846	54.	-20.97	308.42	0.00356	0.04759		0.33486	
750426	847	4.	-20.44	308.10	0.10282	0.05111		0.28252	
750426	847	14.	-19.91	307.77	0.08123	0.05471		0.22975	
750426	847	24.	-19.38	307.45	0.06914	0.05662	0.076179	0.18077	-0.306971
750426	847	34.	-18.85	307.13	0.05787	0.05864		0.13876	

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REVOLUTION 231

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750426	847	44.	-18.32	306.81	0.04300	0.06020		0.10428	
750426	847	54.	-17.79	306.49	-0.01383	0.06129		0.07461	
750426	848	4.	-17.26	306.18	0.02718	0.06190		0.04433	
750426	848	14.	-16.72	305.86	0.08497	0.06203		0.07798	
750426	848	24.	-16.19	305.55	0.07677	0.06165	0.050480	-0.03720	-0.349055
750426	848	34.	-15.66	305.24	0.11925	0.05924		0.09684	
750426	848	44.	-15.12	304.93	0.03598	0.05925		-0.15030	
750426	848	54.	-14.59	304.62	0.07431	0.05712		-0.21252	
750426	849	4.	-14.06	304.32	0.05728	0.05433		-0.27454	
750426	849	14.	-13.52	304.01	0.05816	0.05091		-0.33328	
750426	849	24.	-12.99	303.70	0.06822	0.04691	0.049363	-0.38567	0.362393
750426	849	34.	-12.45	303.40	0.08837	0.04243		-0.42871	
750426	849	44.	-11.91	303.10	0.00870	0.03755		-0.46009	
750426	849	54.	-11.38	302.80	0.01387	0.03234		-0.47794	
750426	850	4.	-10.84	302.50	-0.02460	0.02687		-0.49051	
750426	850	14.	-10.31	302.20	0.01940	0.02123		-0.49605	
750426	850	24.	-9.77	301.90	0.05846	0.01547	0.072188	-0.49977	-0.041022
750426	850	34.	-9.23	301.60	0.02757	0.00965		-0.50321	
750426	850	44.	-8.70	301.30	-0.06902	0.00377		-0.50727	
750426	850	54.	-8.16	301.01	0.05587	-0.00222		-0.51373	
750426	851	4.	-7.62	300.71	-0.06376	-0.00832		-0.52381	
750426	851	14.	-7.08	300.42	0.02605	-0.01468		-0.53811	
750426	851	24.	-6.55	300.12	-0.01224	-0.02098	0.031456	-0.55614	-1.126167
750426	851	34.	-6.01	299.83	0.02324	-0.02749		-0.57472	
750426	851	44.	-5.47	299.53	0.01242	-0.03403		-0.58774	
750426	851	54.	-4.93	299.24	-0.02770	-0.04047		-0.58762	
750426	852	4.	-4.39	298.95	-0.01554	-0.04667		-0.56770	
750426	852	14.	-3.85	298.65	-0.03761	-0.05244		-0.52367	
750426	852	24.	-3.32	298.36	-0.20513	-0.05759	-0.041045	-0.45494	-1.115935
750426	852	34.	-2.78	298.07	-0.02713	-0.06135		-0.36574	
750426	852	44.	-2.24	297.78	-0.07181	-0.06531		-0.26165	
750426	852	55.	-1.70	297.49	-0.08250	-0.06750		-0.14741	
750426	853	5.	-1.16	297.20	-0.10860	-0.06845		-0.02779	
750426	853	15.	-0.62	296.90	-0.05945	-0.06810		0.09258	
750426	853	25.	-0.08	296.61	-0.10619	-0.06643	-0.027685	0.21019	-0.367122
750426	853	35.	0.46	296.32	-0.01330	-0.06345		0.32302	
750426	853	45.	0.99	296.03	-0.00429	-0.05916		0.43118	
750426	853	55.	1.53	295.74	0.12412	-0.05362		0.53524	
750426	854	5.	2.07	295.45	-0.03086	-0.04693		0.63678	
750426	854	15.	2.61	295.16	-0.03949	-0.03915		0.73178	
750426	854	25.	3.15	294.86	-0.01855	-0.03039	-0.075603	0.81825	0.656330
750426	854	35.	3.69	294.57	-0.06779	-0.02081		0.89221	
750426	854	45.	4.23	294.28	-0.00386	-0.01063		0.94768	
750426	854	55.	4.77	293.99	-0.11297	-0.00013		0.97728	
750426	855	5.	5.30	293.69	0.05291	0.01035		0.97292	
750426	855	15.	5.84	293.40	0.10245	0.04045		0.92865	
750426	855	25.	6.38	293.11	0.18031	0.02979	-0.020209	0.84223	1.114801
750426	855	35.	6.92	292.81	0.00960	0.03807		0.71765	
750426	855	45.	7.46	292.52	0.15358	0.04458		0.56421	
750426	855	55.	7.99	292.22	0.12415	0.05032		0.39458	
750426	856	5.	8.53	291.92	0.05647	0.05238		0.22550	
750426	856	15.	9.07	291.63	0.04671	0.05589		0.05905	
750426	856	25.	9.61	291.33	0.05842	0.06611	0.038091	-0.05860	0.768955
750426	856	35.	10.14	291.03	0.07343	0.06480		-0.21651	
750426	856	45.	10.68	290.73	0.01262	0.05214		-0.32327	
750426	856	55.	11.22	290.43	0.00379	0.04829		-0.41015	
750426	857	5.	11.76	290.13	0.03106	0.04348		-0.48005	
750426	857	15.	12.29	289.83	0.06451	0.03791		-0.53513	
750426	857	25.	12.83	289.52	0.06700	0.03183	0.063694	-0.57514	0.004522
750426	857	35.	13.36	289.22	0.04645	0.02845		-0.59767	
750426	857	45.	13.90	288.91	0.05577	0.01900		-0.59963	
750426	857	55.	14.43	288.61	0.00254	0.01269		-0.57872	
750426	858	5.	14.97	288.30	0.00861	0.00672		-0.53501	
750426	858	15.	15.50	287.99	-0.05220	0.00126		-0.47163	
750426	858	25.	16.03	287.68	-0.03604	-0.00335	0.038600	-0.39494	-0.751591
750426	858	35.	16.57	287.36	-0.00090	-0.00763		-0.31320	
750426	858	45.	17.10	287.05	-0.04758	-0.01027		-0.23482	
750426	858	55.	17.63	286.74	-0.08339	-0.01366		-0.16847	
750426	859	5.	18.17	286.42	-0.04270	-0.01585		-0.12177	
750426	859	15.	18.70	286.10	0.03694	-0.01769		-0.09952	
750426	859	25.	19.23	285.78	-0.00062	-0.01933	-0.016356	-0.10115	-0.950648
750426	859	35.	19.76	285.46	0.00942	-0.02095		-0.12162	
750426	859	45.	20.29	285.13	-0.01774	-0.02268		-0.15308	
750426	859	55.	20.82	284.81	-0.02006	-0.02457		-0.18594	
750426	9 0	5.	21.35	284.48	-0.01169	-0.02658		-0.21045	
750426	9 0	15.	21.88	284.15	0.00362	-0.02858		-0.21739	
750426	9 0	25.	22.41	283.82	-0.02199	-0.03032	-0.061252	-0.19852	-0.405990
750426	9 0	35.	22.94	283.48	-0.01541	-0.03153		-0.14260	
750426	9 0	45.	23.47	283.15	-0.11626	-0.03116		0.05758	
750426	9 1	5.	24.00	282.82	-0.07406	-0.02914		0.20398	
750426	9 1	15.	24.53	282.49	-0.04540	-0.02561		0.36652	
750426	9 1	25.	25.06	282.16	-0.05410	-0.02046	-0.075703	0.53285	0.131059
750426	9 1	35.	25.59	281.83	-0.05453	-0.01372		0.69004	
750426	9 1	45.	26.11	281.50	-0.04462	-0.00554		0.82570	
750426	9 1	55.	26.64	281.17	0.02847	0.00382		0.92912	
750426	9 2	5.	27.17	280.84	-0.02554	0.01401		0.99261	
750426	9 2	15.	27.70	280.51	0.04513	0.02460		1.01151	
750426	9 2	25.	28.23	280.18	-0.00037	0.03515	-0.037696	0.98418	1.018757
750426	9 2	35.	28.76	279.85	0.07345	0.04322		0.91261	
750426	9 2	45.	29.29	279.52	0.11378	0.05442		0.80295	
750426	9 2	55.	30.26	278.83	0.10378	0.06249		0.66607	
750426	9 3	5.	30.77	278.15	0.15270	0.06922		0.51599	
750426	9 3	15.	31.29	277.77	0.11963	0.07456		0.36775	
750426	9 3	25.	31.80	277.39	0.07706	0.07852	0.032851	0.23493	1.195357
750426	9 3	35.	32.32	277.00	0.14659	0.08124		0.12691	
750426	9 3	45.	32.83	276.61	0.02393	0.08291		0.04816	
750426	9 3	55.	33.34	276.21	0.07626	0.08372		-0.00297	
750426	9 4	5.	33.85	275.81	-0.06143	0.08382		-0.03424	
750426	9 4	15.	34.36	275.41	0.09493	0.08331		-0.05762	
750426	9 4	25.	34.87	275.00	0.08020	0.08227	0.090921	-0.08551	0.630648
750426	9 4	35.	35.38	274.58	0.03880	0.08064		-0.12735	
750426	9 4	45.	35.88	274.16	0.07340	0.07830		-0.18974	
750426	9 4	55.	36.39	273.74	0.11864	0.07509		-0.27549	
750426	9 5	5.	36.89	273.31	0.09110	0.07087		-0.38229	
750426	9 5	15.	37.40	272.88	0.15955	0.06553		-0.50331	
750426	9 5	25.	37.90	272.44	0.08950	0.05869	0.100106	-0.52869	-0.355206
750426	9 5	35.	38.40	272.00	0.07608	0.05126		-0.74788	

REVOLUTION 231

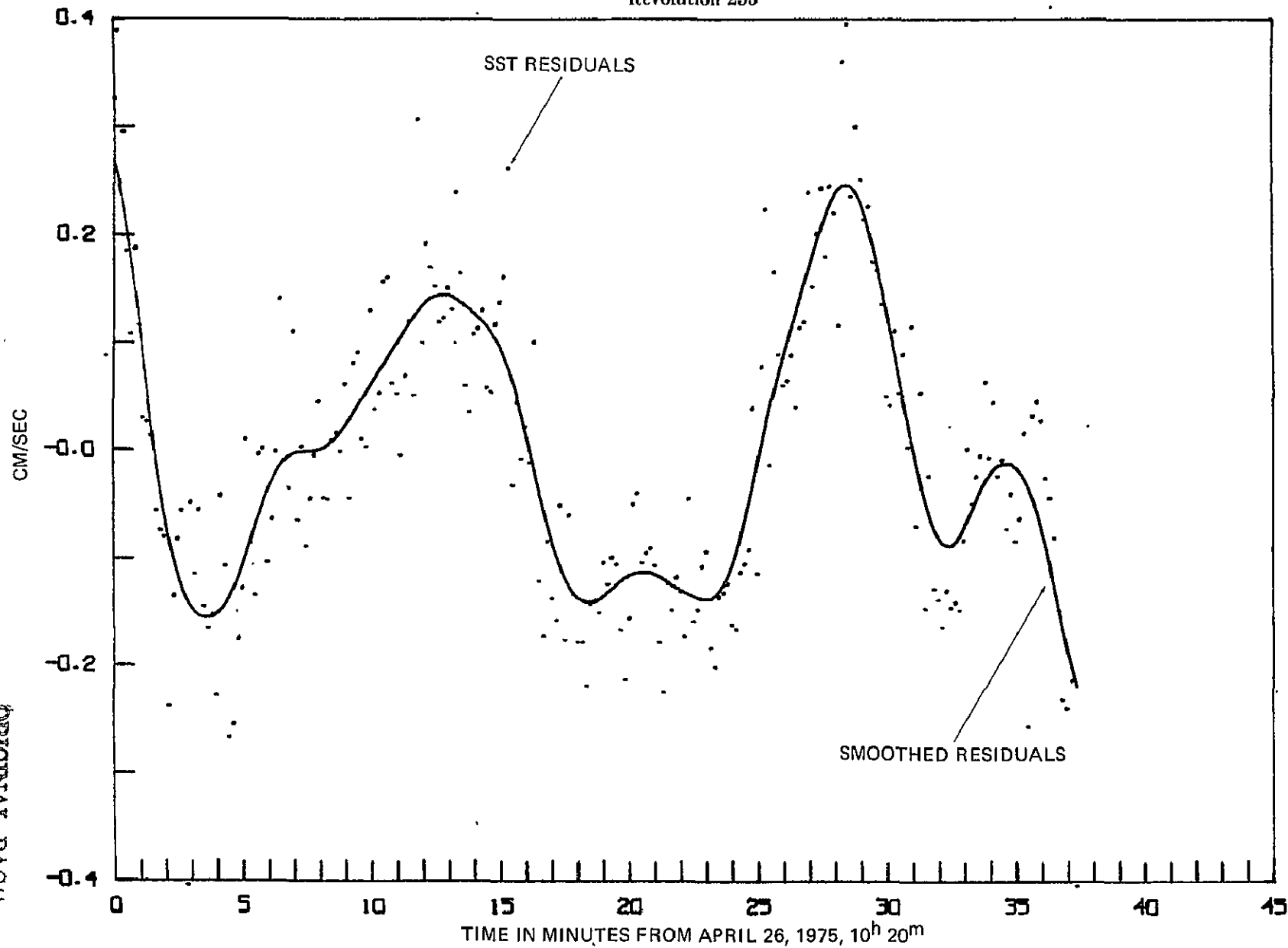
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
*50426	9 5	46.	38.89	271.55	0.03410	0.04238		-0.85230	
*50426	9 5	56.	39.39	271.10	-0.01827	0.03248		-0.93690	
*50426	9 6	6.	39.89	270.64	-0.00267	0.02176		-0.99932	
*50426	9 6	16.	40.38	270.17	0.05678	0.01049		-1.03838	
*50426	9 6	26.	40.87	269.70	0.04034	-0.00102	0.058055	-1.05177	-0.853120
*50426	9 6	36.	41.36	269.22	0.07310	0.01246		-1.03636	
*50426	9 6	46.	41.85	268.73	0.00777	-0.02352		-0.99024	
*50426	9 6	56.	42.34	268.24	0.00523	-0.03383		-0.91238	
*50426	9 7	6.	42.82	267.74	-0.08008	-0.04306		-0.80206	
*50426	9 7	16.	43.30	267.23	-0.07864	-0.05089		-0.66067	
*50426	9 7	26.	43.79	266.72	-0.06832	-0.05703	0.018217	-0.49221	-0.326758
*50426	9 7	36.	44.26	266.20	-0.05101	-0.06122		-0.30208	
*50426	9 7	46.	44.74	265.67	-0.10500	-0.06327		-0.09660	
*50426	9 7	56.	45.22	265.13	0.07197	0.06310		0.11639	
*50426	9 8	6.	45.69	264.59	-0.09824	-0.06067		0.32761	
*50426	9 8	16.	46.16	264.03	-0.10496	-0.05611		0.52675	
*50426	9 8	26.	46.63	263.47	-0.05626	-0.04961	0.021539	0.70305	0.334353
*50426	9 8	36.	47.09	262.90	-0.09267	-0.04145		0.84662	
*50426	9 8	46.	47.55	262.32	-0.00688	-0.03202		0.84937	
*50426	9 8	56.	48.01	261.73	-0.02248	-0.02175		1.00583	
*50426	9 9	6.	48.47	261.13	-0.01340	-0.01114		1.01343	
*50426	9 9	16.	48.92	260.51	0.04153	0.00871		0.97167	
*50426	9 9	26.	49.38	259.89	0.03178	0.00902	0.045238	0.88220	0.340393
*50426	9 9	36.	49.82	259.26	0.04206	0.01752		0.75002	
*50426	9 9	46.	50.27	258.62	0.11093	0.02475		0.58449	
*50426	9 9	56.	50.71	257.97	0.09425	0.03016		0.39856	
*50426	9 10	6.	51.15	257.30	0.06673	0.03369		0.20661	
*50426	9 10	16.	51.59	256.62	0.08256	0.03528		0.02124	
*50426	9 10	26.	52.02	255.94	0.01285	0.03494	0.049590	-0.14873	-0.293378
*50426	9 10	36.	52.45	255.23	0.02138	0.02277		0.29964	
*50426	9 10	46.	52.87	254.52	-0.08700	0.02886		-0.43312	
*50426	9 10	56.	53.29	253.79	0.07055	0.02339		-0.55349	
*50426	9 11	6.	53.71	253.05	0.06406	0.01658		-0.65311	
*50426	9 11	16.	54.12	252.30	0.01364	0.00865		-0.76017	
*50426	9 11	26.	54.53	251.53	0.03807	-0.00021	0.010725	-0.84068	-0.892529
*50426	9 11	36.	54.93	250.74	0.01395	-0.00976		-0.89976	
*50426	9 11	46.	55.33	249.94	-0.01087	-0.01976		-0.93257	
*50426	9 11	56.	55.72	249.13	0.03282	0.02991		0.93573	
*50426	9 12	6.	56.11	248.30	-0.09989	-0.03952		-0.90802	
*50426	9 12	16.	56.50	247.46	-0.03046	-0.04947		-0.85051	
*50426	9 12	26.	56.88	246.59	-0.07298	-0.05824	-0.042865	-0.78504	-0.759251
*50426	9 12	36.	57.25	245.72	-0.03942	-0.06590		-0.65328	
*50426	9 12	46.	57.62	244.82	-0.07949	-0.07217		-0.51710	
*50426	9 12	56.	57.98	243.91	-0.09326	-0.07681		-0.35929	
*50426	9 13	6.	58.33	242.98	-0.09919	-0.07966		0.18453	
*50426	9 13	16.	58.68	242.03	-0.14637	-0.08058		-0.00661	
*50426	9 13	26.	59.02	241.07	-0.14539	-0.07953	-0.070278	0.18809	-0.120614
*50426	9 13	36.	59.36	240.08	-0.02226	-0.07649		0.37005	
*50426	9 13	46.	59.69	239.08	-0.08330	-0.07147		0.54146	
*50426	9 13	56.	60.01	238.06	-0.03836	-0.06458		0.70006	
*50426	9 14	6.	60.32	237.02	-0.08404	-0.05565		0.84458	
*50426	9 14	16.	60.63	235.96	-0.00105	-0.04576		0.97392	
*50426	9 14	26.	60.93	234.88	-0.07105	-0.03421	-0.054763	1.04660	0.646807
*50426	9 14	36.	61.22	233.79	-0.08581	-0.02154		1.18000	
*50426	9 14	46.	61.50	232.67	0.02270	-0.00802		1.24990	
*50426	9 14	56.	61.77	231.53	0.04495	0.00608		1.29263	
*50426	9 15	6.	62.04	230.38	-0.04892	0.02046		1.30569	
*50426	9 15	16.	62.29	229.20	0.04554	0.03471		1.28600	
*50426	9 15	26.	62.54	228.01	-0.00462	0.04448		1.25032	
*50426	9 15	36.	62.78	226.80	0.06792	0.06137		1.13656	
*50426	9 15	46.	63.00	225.57	0.14389	0.07303		1.00707	
*50426	9 15	56.	63.22	224.32	0.13049	0.04317		0.84607	

ORIGINAL PAGE IS  
OF POOR QUALITY

GEOS-3 Revolution No. 233

April 26, 1975, 10<sup>h</sup> 20<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 233

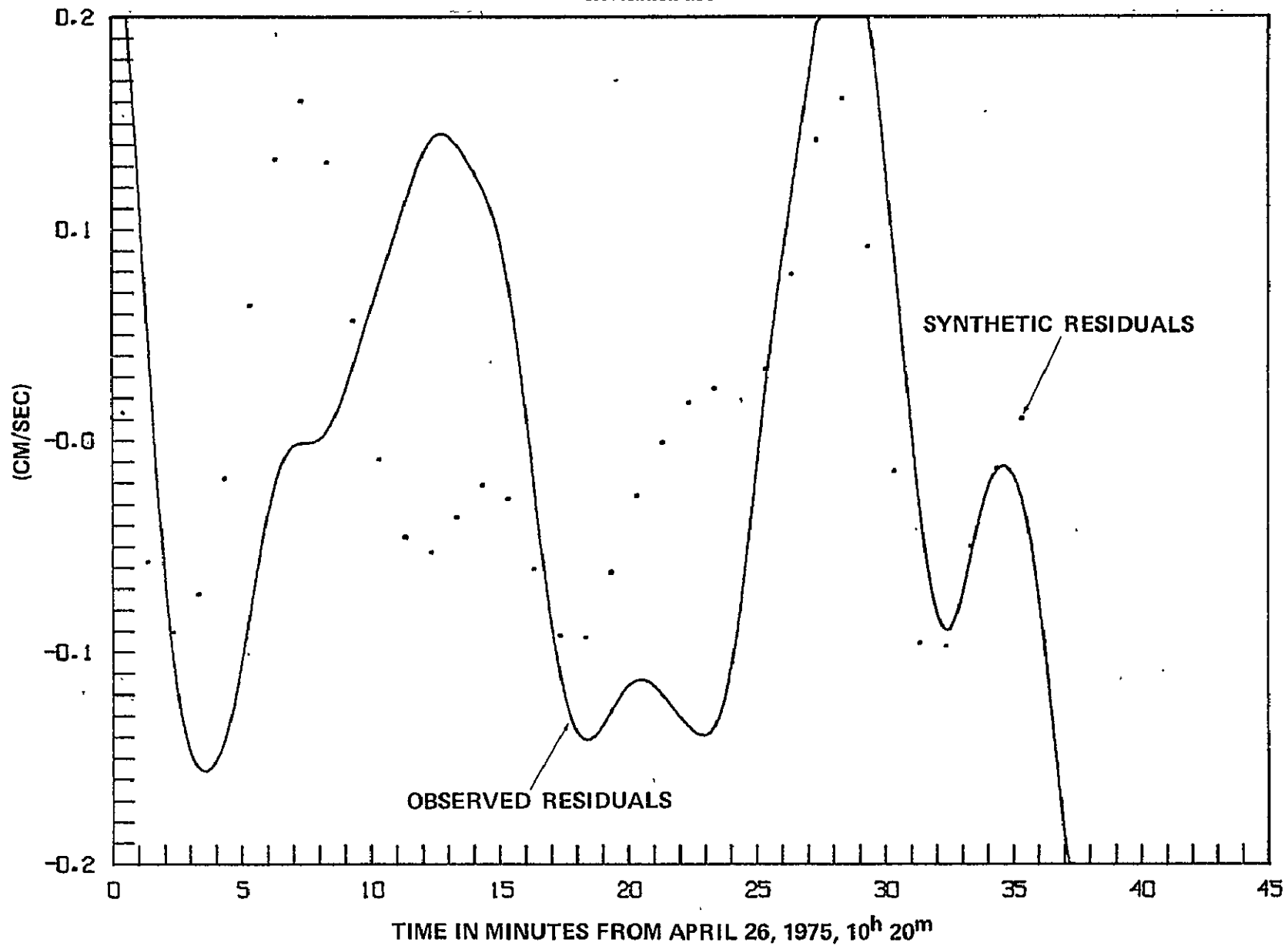


A-12

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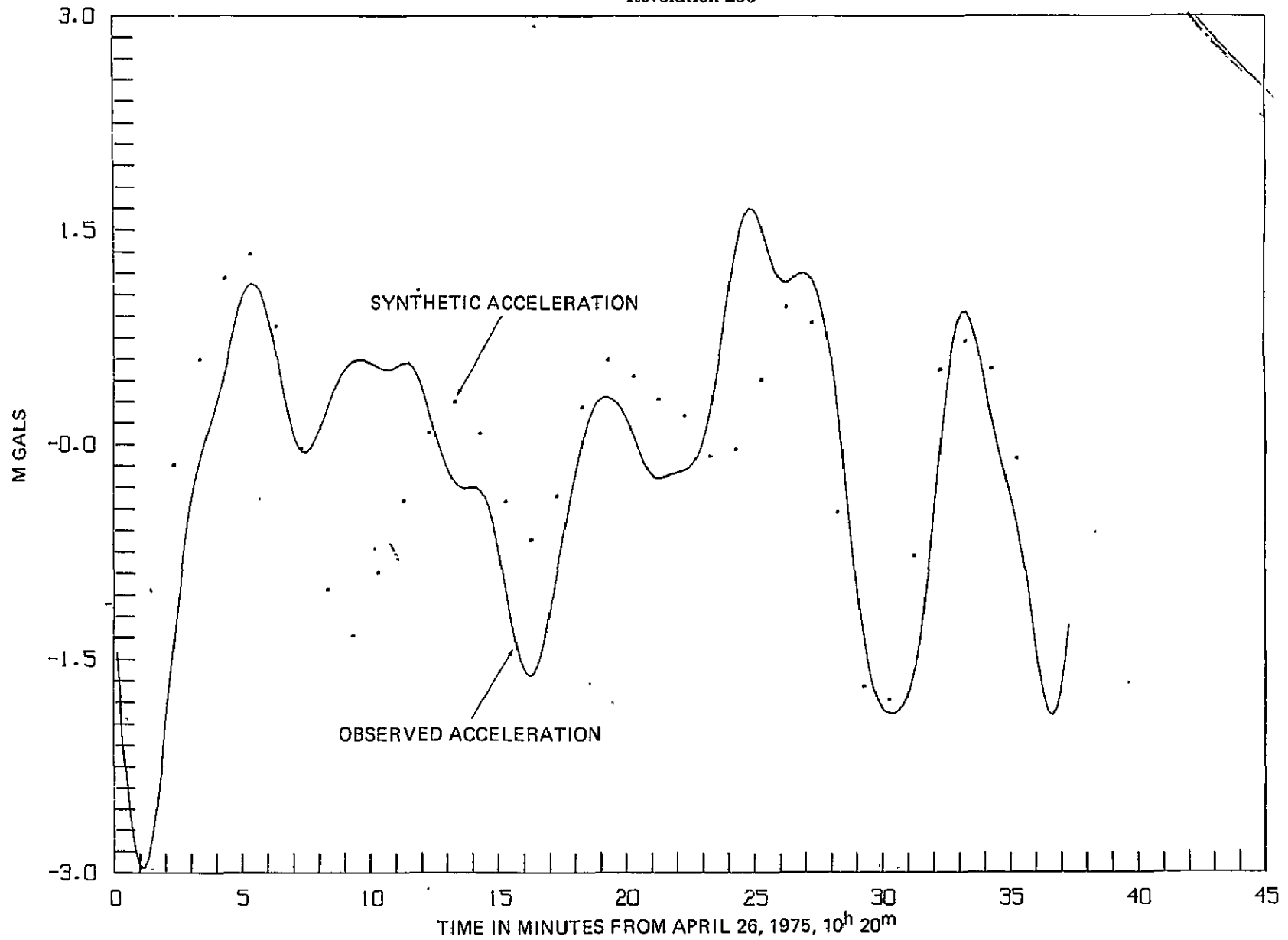
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 233

A-13



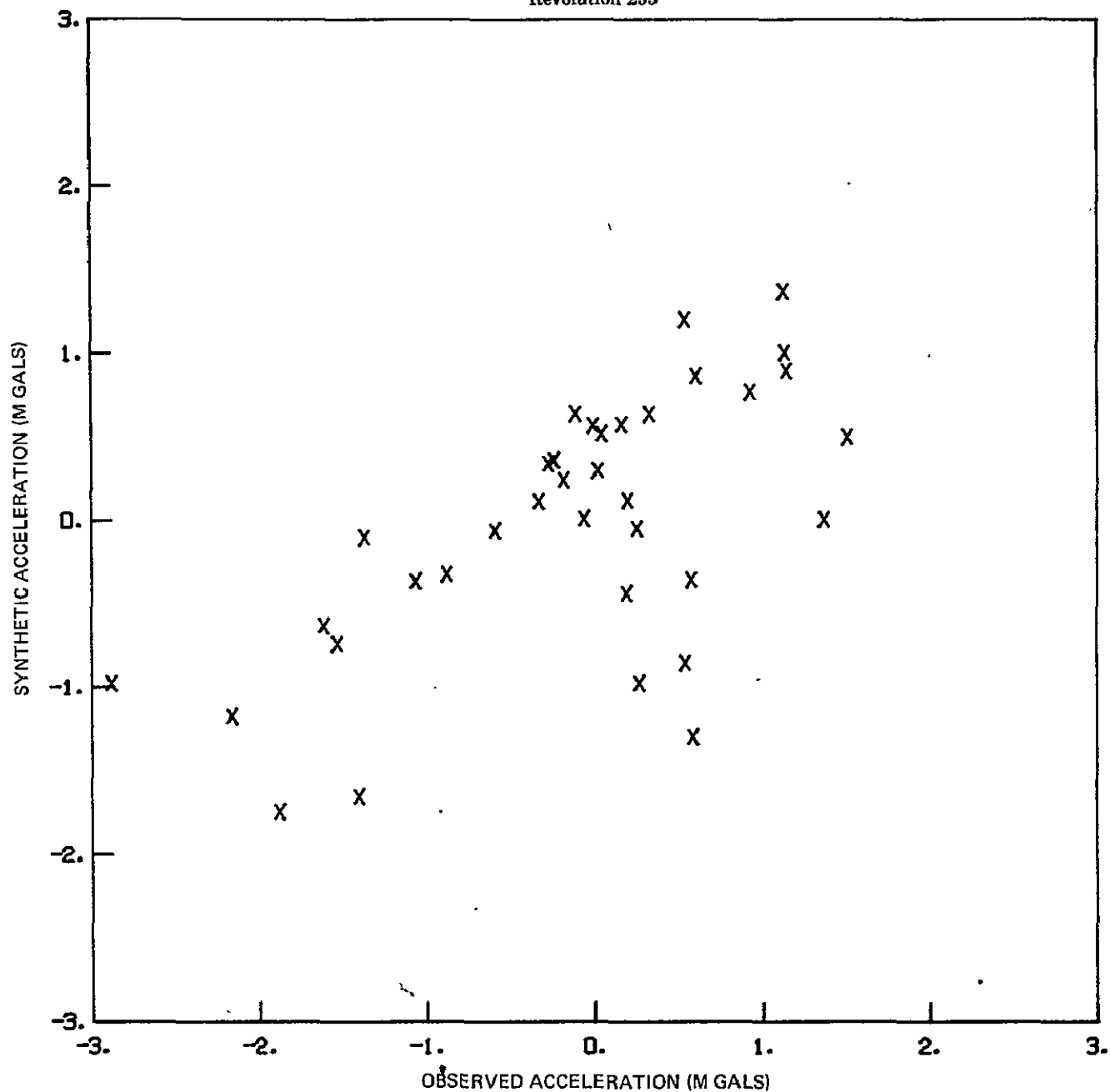
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 233

A-14





GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 233



REVOLUTION 233

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750426	1020	34.	-45.65	303.18	0.33037	0.26485		-1.44836	
750426	1020	44.	-45.17	302.64	0.39374	0.24633		-1.81630	
750426	1020	54.	-44.70	302.10	0.29912	0.22443	0.015506	-2.16214	-1.175265
750426	1021	4.	-44.22	301.57	0.16922	0.19936		-2.46443	
750426	1021	14.	-43.75	301.05	0.11245	0.17145		-2.70619	
750426	1021	24.	-43.27	300.54	0.12204	0.14122		-2.87484	
750426	1021	34.	-42.78	300.03	0.12010	0.10940		-2.96146	
750426	1021	44.	-42.30	299.54	0.03339	0.07679		-2.96300	
750426	1021	54.	-41.81	299.05	0.03045	0.04432	-0.055010	-2.88256	-0.979124
750426	1022	4.	-41.33	298.56	0.01713	0.01289		-2.73040	
750426	1022	14.	-40.84	298.06	-0.05207	-0.01669		-2.51763	
750426	1022	24.	-40.35	297.51	-0.07035	-0.03578		-2.25902	
750426	1022	34.	-39.85	297.15	-0.07626	-0.06734		-1.97036	
750426	1022	44.	-39.36	296.69	-0.23378	-0.08897		-1.66687	
750426	1022	54.	-38.86	296.23	-0.13035	-0.10678	-0.088406	-1.36528	-0.103832
750426	1023	4.	-38.37	295.79	-0.07812	-0.12142		-1.07893	
750426	1023	14.	-37.87	295.34	-0.05135	-0.13303		-0.81704	
750426	1023	24.	-37.37	294.91	-0.43957	-0.14188		-0.58548	
750426	1023	34.	-36.86	294.48	-0.04409	-0.14840		-0.38985	
750426	1023	44.	-36.36	294.03	-0.11067	-0.18240		-0.23249	
750426	1023	54.	-35.86	293.63	-0.05027	-0.15536	-0.070177	-0.10686	0.636106
750426	1024	4.	-35.35	293.21	-0.14052	-0.15631		-0.00165	
750426	1024	14.	-34.85	292.80	-0.16148	-0.15584		0.09510	
750426	1024	24.	-34.34	292.39	-0.14816	-0.15407		0.19280	
750426	1024	34.	-33.83	291.99	-0.22403	-0.15102		0.29761	
750426	1024	44.	-33.32	291.59	-0.03749	-0.14666		0.41259	
750426	1024	54.	-32.81	291.19	-0.10322	-0.14087	-0.015539	0.53952	1.202750
750426	1025	4.	-32.30	290.80	-0.26294	-0.13366		0.67663	
750426	1025	14.	-31.78	290.41	-0.24968	-0.12513		0.81508	
750426	1025	24.	-31.27	290.03	-0.16991	-0.11539		0.94799	
750426	1025	34.	-30.75	289.65	-0.12304	-0.10460		1.04055	
750426	1025	44.	-30.24	289.27	0.01489	-0.09299		1.10501	
750426	1025	54.	-29.72	288.90	-0.08218	-0.08087	0.066234	1.13151	1.373424
750426	1026	4.	-29.20	288.53	-0.13023	-0.06862		1.12979	
750426	1026	14.	-28.68	288.17	0.00116	-0.05667		1.07400	
750426	1026	24.	-28.16	287.80	0.00600	-0.04535		0.99421	
750426	1026	34.	-27.64	287.44	-0.09933	-0.03500		0.88654	
750426	1026	44.	-27.12	287.08	-0.05880	-0.02594		0.75583	
750426	1026	54.	-26.60	286.73	0.00366	-0.01835	0.135638	0.60735	0.862390
750426	1027	4.	-26.08	286.38	0.14607	-0.01228		0.44987	
750426	1027	14.	-25.55	286.03	-0.00558	-0.00771		0.29676	
750426	1027	24.	-25.03	285.68	-0.03101	-0.00455		0.16013	
750426	1027	34.	-24.50	285.34	0.11554	-0.00263		0.05131	
750426	1027	44.	-23.98	285.00	0.06108	-0.00162		0.02234	
750426	1027	54.	-23.45	284.66	0.00792	-0.00123	0.142866	-0.05728	0.008611
750426	1028	4.	-22.93	284.33	-0.08518	-0.00112		-0.05536	
750426	1028	14.	-22.40	283.99	-0.04020	-0.00057		-0.02263	
750426	1028	24.	-21.87	283.66	0.00010	-0.00050		0.03287	
750426	1028	34.	-21.34	283.33	0.04968	0.00057		0.10382	
750426	1028	44.	-20.81	283.00	-0.04020	0.00239	0.134024	0.18440	-0.977535
750426	1028	54.	-20.28	282.68	-0.04147	0.00503		0.26971	
750426	1029	4.	-19.75	282.36	0.04319	0.00849		0.36016	
750426	1029	14.	-19.22	282.03	0.02047	0.01275		0.42337	
750426	1029	24.	-18.69	281.71	0.00267	0.01774		0.48499	
750426	1029	34.	-18.16	281.39	0.06556	0.02333		0.53312	
750426	1029	44.	-17.63	281.08	-0.04061	0.02941		0.56726	
750426	1029	54.	-17.10	280.76	0.08561	0.03581	0.058857	0.58759	-1.298910
750426	1030	4.	-16.56	280.45	0.09561	0.04243		0.59558	
750426	1030	14.	-16.03	280.14	0.01426	0.04916		0.59439	
750426	1030	24.	-15.50	279.82	0.00690	0.06687		0.58646	
750426	1030	34.	-14.96	279.51	0.13515	0.06250		0.57313	
750426	1030	44.	-14.43	279.21	0.04198	0.06902		0.55683	
750426	1030	54.	-13.89	278.90	0.05746	0.07543	-0.006537	0.54076	-0.854859
750426	1031	4.	-13.36	278.59	0.16205	0.08174		0.52803	
750426	1031	14.	-12.82	278.29	0.16535	0.08805		0.52281	
750426	1031	24.	-12.29	277.99	0.06579	0.09441		0.52876	
750426	1031	34.	-11.75	277.68	0.05635	0.10082		0.54506	
750426	1031	44.	-11.22	277.38	0.00889	0.10723		0.56594	
750426	1031	54.	-10.68	277.08	0.07369	0.11357	-0.043134	0.57793	-0.355552
750426	1032	4.	-10.14	276.78	0.12497	0.11975		0.57294	
750426	1032	14.	-9.61	276.48	0.05514	0.12562		0.54283	
750426	1032	24.	-9.07	276.19	0.31179	0.13099		0.48523	
750426	1032	34.	-8.53	275.89	0.10418	0.13572		0.40491	
750426	1032	44.	-7.99	275.59	0.19701	0.13958		0.30704	
750426	1032	54.	-7.46	275.30	0.17422	0.14245	-0.050350	0.20238	0.120254
750426	1033	4.	-6.92	275.00	0.15674	0.14428		0.00791	
750426	1033	14.	-6.38	274.71	0.12351	0.14504		-0.00091	
750426	1033	24.	-5.84	274.41	0.12794	0.14478		-0.08778	
750426	1033	34.	-5.30	274.12	0.15619	0.14361		-0.16342	
750426	1033	44.	-4.76	273.83	0.13540	0.14169		-0.22514	
750426	1033	54.	-4.23	273.53	0.24443	0.13919	-0.033836	-0.27098	0.339438
750426	1034	4.	-3.69	273.24	0.16895	0.13630		-0.29862	
750426	1034	14.	-3.15	272.95	0.06375	0.13315		-0.30915	
750426	1034	24.	-2.61	272.66	0.03960	0.12977		-0.30505	
750426	1034	34.	-2.07	272.37	0.11343	0.12617		-0.29977	
750426	1034	44.	-1.53	272.07	0.11870	0.12236		-0.30367	
750426	1034	54.	-0.99	271.78	0.13552	0.11820	-0.016529	-0.32617	0.113043
750426	1035	4.	-0.45	271.49	0.06170	0.11349		-0.37480	
750426	1035	14.	0.08	271.20	0.05774	0.10792		-0.45522	
750426	1035	24.	0.62	270.91	0.12286	0.10120		-0.57061	
750426	1035	34.	1.16	270.62	0.14255	0.09308		-0.71838	
750426	1035	44.	1.70	270.33	0.16592	0.08339		-0.88934	
750426	1035	54.	2.24	270.03	0.26662	0.07205	-0.025327	-1.06849	-0.366160
750426	1036	4.	2.78	269.74	0.02838	0.05905		-1.23834	
750426	1036	14.	3.32	269.45	0.04919	0.04445		-1.38484	
750426	1036	24.	3.86	269.16	-0.00364	0.02849		-1.49983	
750426	1036	34.	4.40	268.87	0.02649	0.01149		-1.57816	
750426	1036	44.	4.94	268.57	-0.00726	-0.00611	-0.058253	-1.61627	-0.634598
750426	1036	54.	5.47	268.28	0.10613	-0.02385		-1.61133	

ORIGINAL PAGE IS  
OF POOR QUALITY

REVOLUTION 233

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750426	1037	5.	6.01	267.99	-0.11685	-0.04127		-1.56167	
750426	1037	15.	6.55	267.69	-0.16803	-0.05802		-1.47001	
750426	1037	25.	7.09	267.40	-0.07935	-0.07374		-1.38543	
750426	1037	35.	7.63	267.10	-0.13302	-0.08813		-1.19842	
750426	1037	45.	8.17	266.80	-0.15306	-0.10094		-1.03927	
750426	1037	55.	8.70	266.51	-0.04526	-0.11254	-0.08959	-0.87591	-0.322040
750426	1038	5.	9.24	266.21	-0.17160	-0.12131		-0.71342	
750426	1038	15.	9.78	265.91	-0.05520	-0.12875		-0.55431	
750426	1038	25.	10.31	265.61	-0.12911	-0.13437		-0.39923	
750426	1038	35.	10.85	265.31	-0.17350	-0.13826		-0.24888	
750426	1038	45.	11.39	265.01	-0.17315	-0.14054		-0.10622	
750426	1038	55.	11.92	264.71	-0.21489	-0.14137	-0.090762	-0.02359	0.297313
750426	1039	5.	12.46	264.41	-0.13671	-0.14094		0.13428	
750426	1039	15.	13.00	264.10	-0.13355	-0.13943		0.26142	
750426	1039	25.	13.53	263.80	-0.14584	-0.13706		0.28324	
750426	1039	35.	14.07	263.49	-0.09899	-0.13408		0.32038	
750426	1039	45.	14.60	263.18	-0.11952	-0.13072		0.33555	
750426	1039	55.	15.14	262.88	-0.09441	-0.12719	-0.059806	0.33274	0.635436
750426	1040	5.	15.67	262.57	-0.10170	-0.12370		0.31555	
750426	1040	15.	16.21	262.25	-0.16275	-0.12045		0.28746	
750426	1040	25.	16.74	261.94	-0.20931	-0.11762		0.24747	
750426	1040	35.	17.27	261.63	-0.15043	-0.11540		0.19356	
750426	1040	45.	17.81	261.31	-0.04523	-0.11385		0.12491	
750426	1040	55.	18.34	260.99	-0.03493	-0.11302	-0.023647	0.04555	0.516688
750426	1041	5.	18.87	260.67	-0.10003	-0.11291		-0.03615	
750426	1041	15.	19.40	260.35	-0.09006	-0.11353		-0.11107	
750426	1041	25.	19.93	260.03	-0.08592	-0.11479		-0.17180	
750426	1041	35.	20.46	259.71	-0.10242	-0.11656		-0.21328	
750426	1041	45.	20.99	259.38	-0.17414	-0.11872		-0.23400	
750426	1041	55.	21.52	259.05	-0.22039	-0.12114	-0.001380	-0.23727	0.357500
750426	1042	5.	22.05	258.72	-0.11789	-0.12370		-0.22995	
750426	1042	15.	22.58	258.39	-0.14387	-0.12627		-0.21876	
750426	1042	25.	23.11	258.05	-0.11268	-0.12878		-0.20785	
750426	1042	35.	23.63	257.71	-0.12677	-0.13117		-0.19873	
750426	1042	45.	24.16	257.37	-0.16863	-0.13342		-0.19030	
750426	1042	55.	24.69	257.03	-0.04017	-0.13546	0.020389	-0.17941	0.239837
750426	1043	5.	25.21	256.69	-0.15481	-0.13717		-0.16049	
750426	1043	15.	25.74	256.34	-0.14335	-0.13846		-0.12684	
750426	1043	25.	26.26	255.99	-0.10280	-0.13909		-0.07259	
750426	1043	35.	26.78	255.64	-0.08891	-0.13883		0.00771	
750426	1043	45.	27.31	255.28	-0.17970	-0.13742		0.11798	
750426	1043	55.	27.83	254.92	-0.19738	-0.13460	0.027075	0.25823	-0.049676
750426	1044	5.	28.35	254.56	-0.13126	-0.13013		0.42458	
750426	1044	15.	28.87	254.20	-0.12752	-0.12377		0.61034	
750426	1044	25.	29.39	253.83	-0.11901	-0.11536		0.80850	
750426	1044	35.	29.91	253.46	-0.15789	-0.10446		1.00963	
750426	1044	45.	30.42	253.08	-0.16217	-0.09235		1.20245	
750426	1044	55.	30.94	252.70	-0.10840	-0.07803	0.021269	1.37377	0.002867
750426	1045	5.	31.46	252.32	-0.10076	-0.06214		1.51143	
750426	1045	15.	31.97	251.94	-0.08738	-0.04511		1.60546	
750426	1045	25.	32.49	251.55	-0.04348	-0.02733		1.65008	
750426	1045	35.	33.00	251.15	-0.11010	-0.00928		1.64506	
750426	1045	45.	33.51	250.76	-0.08242	0.00862		1.59509	
750426	1045	55.	34.02	250.36	-0.22846	0.02606	0.036235	1.51056	0.496207
750426	1046	5.	34.53	249.95	-0.01016	0.04284		1.41008	
750426	1046	15.	35.04	249.54	-0.17079	0.05882		1.31018	
750426	1046	25.	35.54	249.13	-0.09300	0.07402		1.22608	
750426	1046	35.	36.05	248.71	0.06405	0.08856		1.16819	
750426	1046	45.	36.56	248.28	0.06894	0.10261		1.10912	
750426	1046	55.	37.06	247.85	0.09276	0.11635	0.021128	1.13679	1.005250
750426	1047	5.	37.56	247.42	0.04355	0.12967		1.15621	
750426	1047	15.	38.06	246.98	0.11028	0.14355		1.18004	
750426	1047	25.	38.56	246.53	0.12462	0.15714		1.20088	
750426	1047	35.	39.06	246.08	0.24407	0.17089		1.20614	
750426	1047	45.	39.55	245.63	0.15625	0.18407		1.18996	
750426	1047	55.	40.05	245.16	0.20662	0.19701	0.144466	1.14772	0.894333
750426	1048	5.	40.54	244.69	0.24799	0.20921		1.07562	
750426	1048	15.	41.03	244.22	0.18368	0.22033		0.97105	
750426	1048	25.	41.52	243.74	0.25009	0.22999		0.83152	
750426	1048	35.	42.01	243.25	0.22448	0.23779		0.65516	
750426	1048	45.	42.50	242.76	0.12016	0.24332		0.44135	
750426	1048	55.	42.98	242.25	0.36458	0.24624	0.144036	0.19128	-0.437189
750426	1049	5.	43.46	241.75	0.40508	0.24635		-0.06755	
750426	1049	15.	43.94	241.23	0.23979	0.24351		-0.38061	
750426	1049	25.	44.42	240.71	0.30481	0.23761		-0.67178	
750426	1049	35.	44.90	240.17	0.25515	0.22872		-0.94674	
750426	1049	45.	45.37	239.63	0.21854	0.21703		-1.19384	
750426	1049	55.	45.84	239.09	0.23085	0.20282	0.094253	-1.40491	-1.656230
750426	1050	5.	46.31	238.53	0.17925	0.18646		-1.57526	
750426	1050	15.	46.78	237.96	0.17154	0.16836		-1.70363	
750426	1050	25.	47.24	237.39	0.14035	0.14893		-1.79220	
750426	1050	35.	47.70	236.80	0.05368	0.12851		-1.84612	
750426	1050	45.	48.16	236.21	0.04519	0.10745		-1.87312	
750426	1050	55.	48.62	235.61	0.11608	0.08603	-0.012157	-1.88113	-1.747534
750426	1051	5.	49.07	234.99	0.05650	0.06454		-1.87477	
750426	1051	15.	49.52	234.37	0.08421	0.04325		-1.85438	
750426	1051	25.	49.97	233.74	0.00656	0.02241		-1.81653	
750426	1051	35.	50.41	233.09	0.11999	0.00231		-1.75499	
750426	1051	45.	50.85	232.43	-0.06634	-0.01671		-1.66212	
750426	1051	55.	51.29	231.76	0.05809	-0.03433	-0.093449	-1.53092	-0.738719
750426	1052	5.	51.73	231.08	-0.14240	-0.05011		-1.35715	
750426	1052	15.	52.16	230.39	-0.01909	-0.06369		-1.14877	
750426	1052	25.	52.58	229.69	-0.12400	-0.07468		-0.88647	
750426	1052	35.	53.01	228.97	-0.13390	-0.08280		-0.60278	
750426	1052	45.	53.43	228.24	-0.15966	-0.08787		-0.30283	
750426	1052	55.	53.84	227.49	-0.12533	-0.08964	-0.094854	-0.00328	0.567570
750426	1053	5.	54.25	226.73	-0.14142	-0.08884		0.27850	
750426	1053	15.	54.66	225.96	-0.13622	-0.08512		0.52573	
750426	1053	25.	55.06	225.17	-0.14422	-0.07912		0.72318	
750426	1053	35.	55.46	224.37	-0.07886	-0.07140		0.85927	
750426	1053	45.	55.85	223.55	-0.00580	-0.06253		0.92836	
750426	1053	55.	56.24	222.71	-0.04510	-0.05314	-0.047520	0.93189	0.764887
750426	1054	5.	56.62	221.86	-0.01936	-0.04385		0.87676	
750426	1054	15.	57.00	221.00	-0.00005	-0.03521		0.77364	

REVOLUTION 233

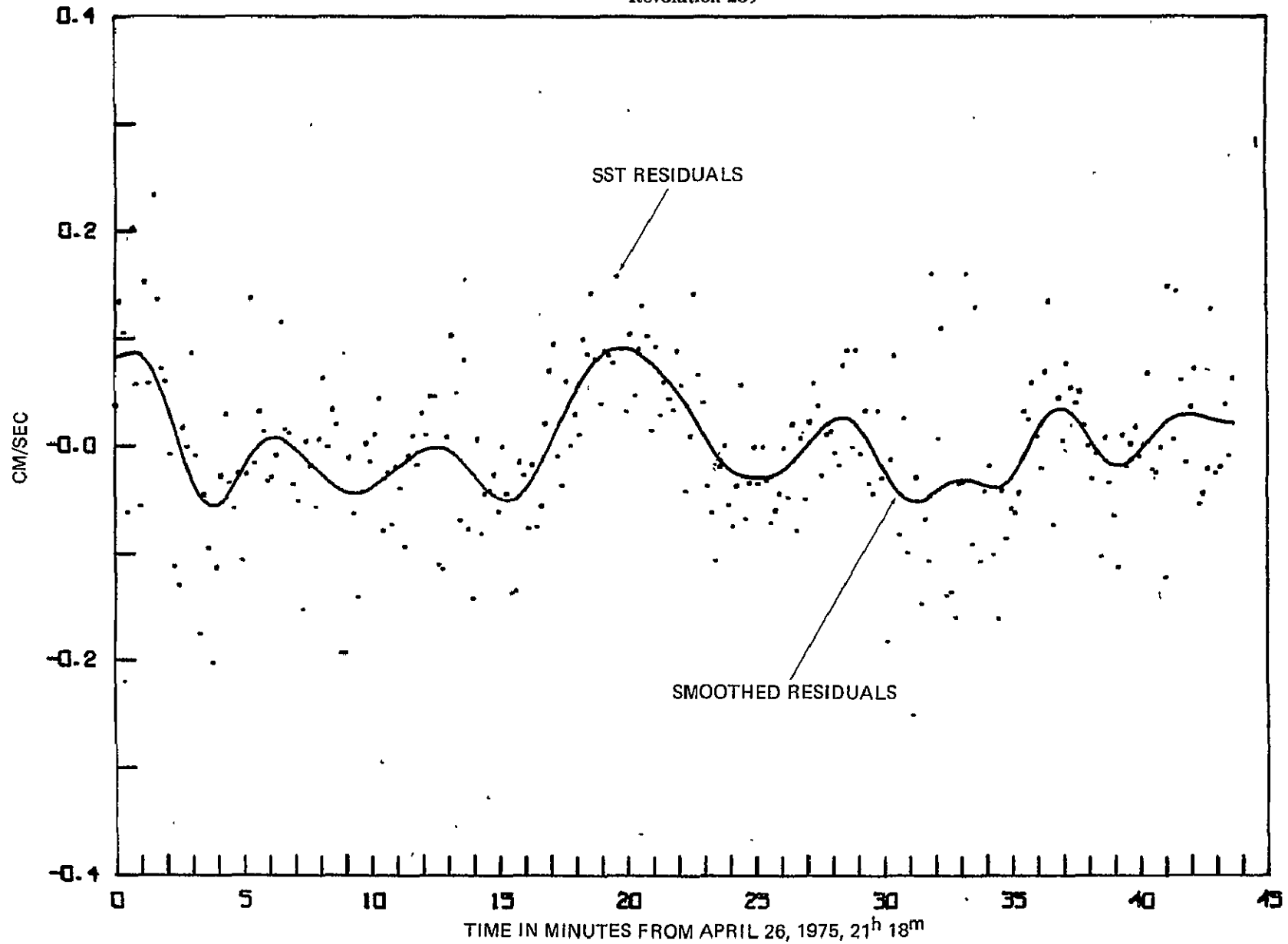
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750426	1054	26.	57.37	220.11	-0.06796	-0.02764		0.63565	
750426	1054	36.	57.73	219.21	-0.00291	-0.02143		0.47915	
750426	1054	46.	58.09	218.30	0.04882	-0.01676		0.31794	
750426	1054	56.	58.44	217.36	-0.01980	-0.01371	-0.010826	0.18399	0.574278
750426	1055	6.	58.79	216.41	-0.00417	-0.01227		0.02413	
750426	1055	16.	59.13	215.44	-0.06855	-0.01241		-0.16064	
750426	1055	26.	59.46	214.45	-0.03570	-0.01410		-0.21485	
750426	1055	36.	59.79	213.44	-0.08017	-0.01732		-0.32734	
750426	1055	46.	60.11	212.42	-0.05879	-0.02215		-0.44671	
750426	1055	56.	60.42	211.37	0.02057	-0.02873	0.012498	-0.58934	-0.061103
750426	1056	6.	60.73	210.31	-0.25281	-0.03727		-0.75638	
750426	1056	16.	61.02	209.22	0.03604	-0.04802		-0.95329	
750426	1056	26.	61.31	208.12	0.04950	-0.06101		-1.17401	
750426	1056	36.	61.59	207.02	0.03105	-0.07614		-1.40094	
750426	1056	46.	61.86	205.86	-0.02177	-0.09317		-1.60917	
750426	1056	56.	62.12	204.70	-0.04036	-0.11166		-1.77332	
750426	1057	6.	62.37	203.52	-0.07735	-0.13105		-1.87286	
750426	1057	16.	62.62	202.32	-0.14405	-0.15073		-1.89500	
750426	1057	26.	62.85	201.10	-0.22794	-0.17009		-1.83648	
750426	1057	36.	63.07	199.87	-0.23586	-0.18856		-1.70242	
750426	1057	46.	63.29	198.61	-0.20906	-0.20556		-1.50558	
750426	1057	56.	63.49	197.34	-0.40484	-0.22065		-1.26301	

ORIGINAL PAGE IS  
OF POOR QUALITY

GEOS-3 Revolution No. 239

April 26, 1975, 21<sup>h</sup> 18<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 239

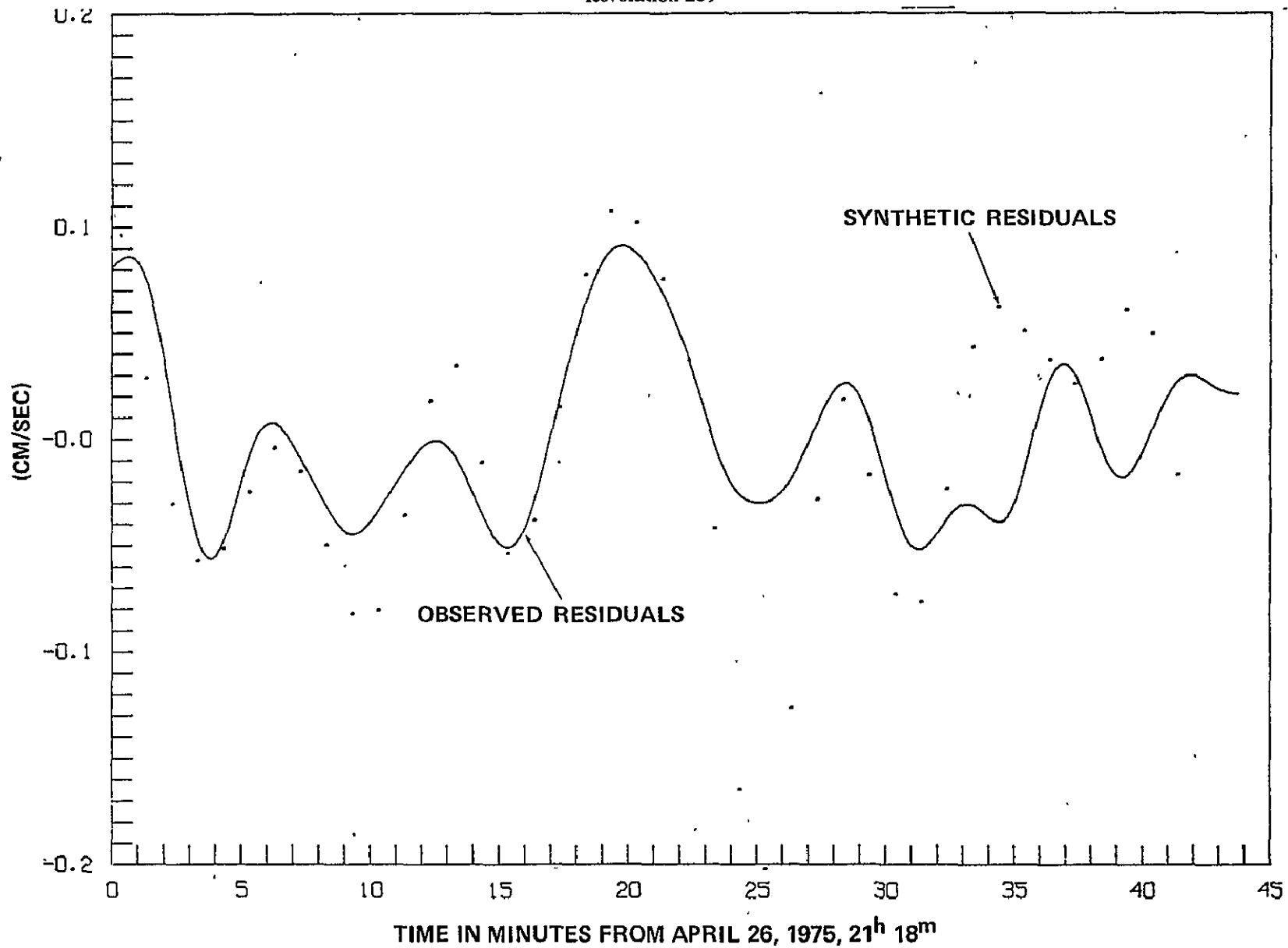


A-20

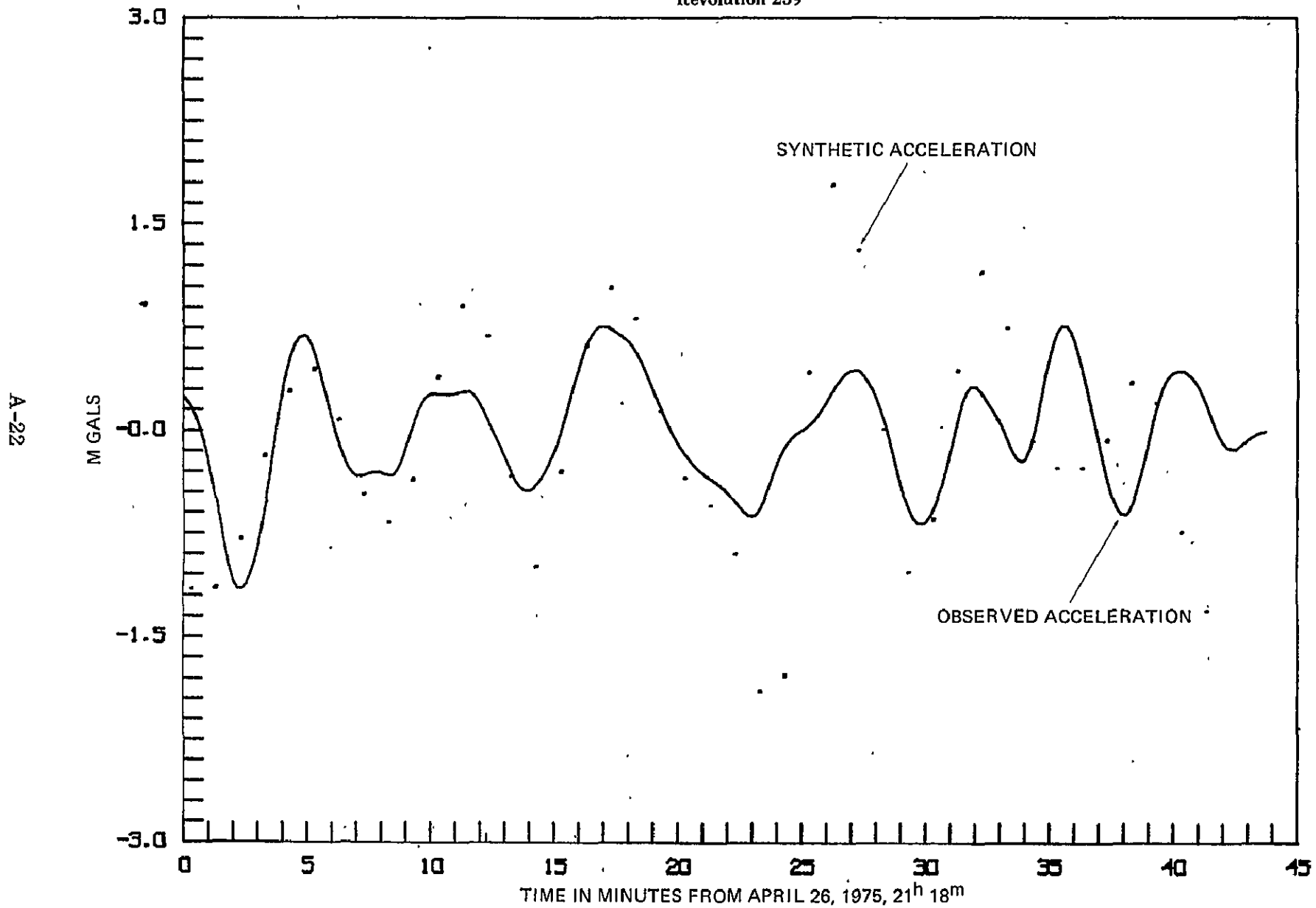
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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 239

A-21

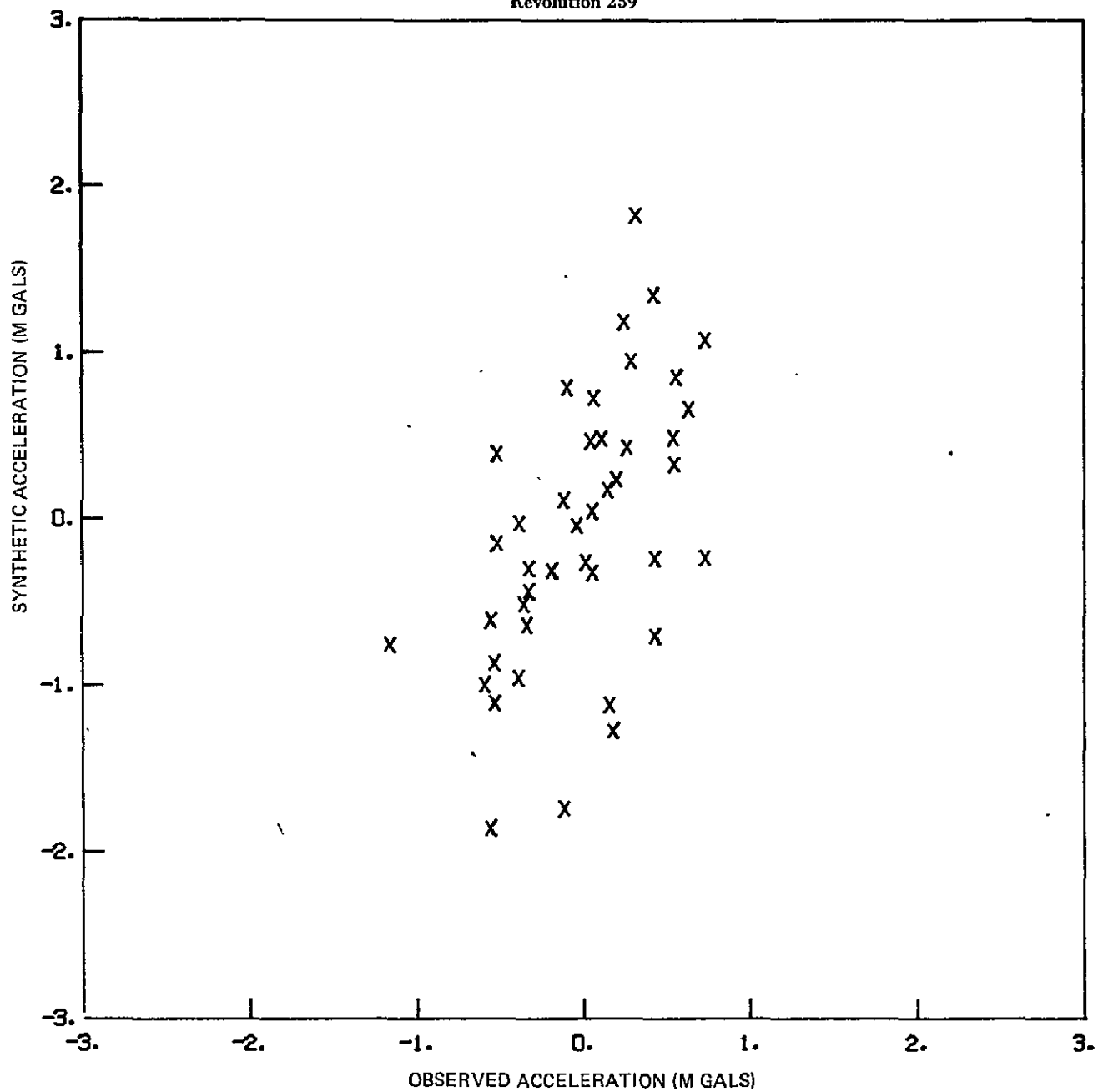


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 239





GEOS-3/ATS-6 SST Range Rate Residuals  
 Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
 Revolution 239



REVOLUTION 239

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750426	2118	4.	38.23	333.16	0.04193	0.08101		0.23947	
750426	2118	14.	35.84	334.33	0.13843	0.08330		0.20235	
750426	2118	24.	35.45	333.71	0.10869	0.06506	0.098431	0.15236	-1.125231
750426	2118	34.	35.05	332.71	-0.05790	0.08611		0.08703	
750426	2118	44.	34.65	331.93	0.20710	0.08623		0.00267	
750426	2118	54.	34.24	331.15	-0.06059	0.08523		-0.10157	
750426	2119	4.	33.83	330.40	-0.05192	0.08287		-0.22759	
750426	2119	14.	33.42	329.65	0.15705	0.07892		-0.37456	
750426	2119	24.	33.00	328.92	-0.06207	0.07332	0.030917	-0.53889	-1.111795
750426	2119	34.	32.58	328.20	0.23869	0.06606		-0.71078	
750426	2119	44.	32.15	327.50	0.14025	0.05726		-0.87473	
750426	2119	54.	31.72	326.81	0.07583	0.04709		-1.01300	
750426	2120	4.	31.29	326.13	0.06394	0.03578		-1.11132	
750426	2120	14.	30.85	325.46	-0.00407	0.02370		-1.16176	
750426	2120	24.	30.41	324.80	-0.10825	0.01124	-0.028201	-1.16399	-0.759169
750426	2120	34.	29.97	324.16	-0.12611	-0.00121		-1.12477	
750426	2120	44.	29.52	323.53	0.02172	0.01323		-1.05390	
750426	2120	54.	29.07	322.90	0.00357	-0.02436		-0.95802	
750426	2121	4.	28.62	322.29	0.09127	-0.03423		-0.83844	
750426	2121	14.	28.16	321.69	-0.00525	-0.04251		-0.69321	
750426	2121	24.	27.70	321.09	-0.17173	-0.04900	-0.055087	-0.52173	-0.151724
750426	2121	34.	27.24	320.51	-0.04068	-0.05357		-0.32926	
750426	2121	44.	26.78	319.94	-0.09113	-0.05608		-0.12560	
750426	2121	54.	26.31	319.37	-0.19849	-0.05654		0.07698	
750426	2122	4.	25.84	318.82	0.10642	-0.05588		0.26593	
750426	2122	14.	25.37	318.27	-0.02288	-0.05184	-0.049052	0.42221	
750426	2122	24.	24.90	317.73	0.03434	-0.04707		0.54460	0.323515
750426	2122	34.	24.43	317.20	-0.02955	-0.04108		0.62977	
750426	2122	44.	23.95	316.68	-0.05361	-0.03428		0.67896	
750426	2122	54.	23.47	316.16	-0.02030	-0.02710		0.69322	
750426	2123	4.	22.99	315.65	-0.10204	-0.01993		0.67335	
750426	2123	14.	22.50	315.15	-0.02126	-0.01314		0.62035	
750426	2123	24.	22.02	314.66	-0.14233	-0.00702	-0.022566	0.63765	0.483741
750426	2123	34.	21.53	314.17	-0.01119	-0.00175		0.43349	
750426	2123	44.	21.04	313.69	0.03716	0.00244		0.31779	
750426	2123	54.	20.55	313.22	0.01773	0.00545		0.19897	
750426	2124	4.	20.06	312.75	-0.02817	0.00721		0.08348	
750426	2124	14.	19.57	312.29	-0.02462	0.00774		-0.02479	
750426	2124	24.	19.07	311.83	-0.00348	0.00712	-0.001735	-0.12346	0.107488
750426	2124	34.	18.58	311.38	0.12041	0.00552		-0.20944	
750426	2124	44.	18.08	310.94	0.02085	0.00316		-0.27755	
750426	2124	54.	17.58	310.50	0.01638	0.00021		-0.32302	
750426	2125	4.	17.08	310.06	-0.03057	-0.00315		-0.34461	
750426	2125	14.	16.58	309.64	-0.04676	-0.00676		-0.34572	
750426	2125	24.	16.07	309.21	-0.14833	-0.01053	-0.013097	-0.33400	-0.440212
750426	2125	34.	15.57	308.79	0.00950	-0.01436		-0.31965	
750426	2125	44.	15.06	308.38	-0.01452	-0.01320		-0.31097	
750426	2125	54.	14.55	307.97	-0.05224	-0.02202		-0.31160	
750426	2126	4.	14.05	307.56	0.01126	-0.02565		-0.32198	
750426	2126	14.	13.54	307.16	0.06761	-0.02063		-0.34424	
750426	2126	24.	13.03	306.77	0.00380	-0.03329	-0.047690	-0.34142	-0.644385
750426	2126	34.	12.51	306.37	0.03882	-0.03570		-0.33171	
750426	2126	44.	12.00	305.98	0.02452	-0.03971		-0.29641	
750426	2126	54.	11.49	305.60	-0.18899	-0.04216		-0.23221	
750426	2127	4.	10.97	305.22	-0.18880	-0.04395		-0.14455	
750426	2127	14.	10.46	304.84	-0.00592	-0.04496		-0.04621	
750426	2127	24.	9.94	304.47	-0.05846	-0.04500	-0.079995	-0.05071	-0.327143
750426	2127	34.	29.42	304.10	-0.13699	-0.04436		0.13622	
750426	2127	44.	28.91	303.73	-0.03794	-0.04290		0.20209	
750426	2127	54.	28.39	303.36	-0.00741	-0.04085		0.24395	
750426	2128	4.	27.87	303.00	-0.00978	-0.03836		0.26320	
750426	2128	14.	27.35	302.65	0.01586	-0.03559		0.26566	
750426	2128	24.	26.83	302.29	0.04937	-0.03264	-0.078252	0.25952	0.424860
750426	2128	34.	26.30	301.94	-0.07437	-0.02960		0.25311	
750426	2128	44.	25.78	301.59	-0.01941	-0.02654		0.25172	
750426	2128	54.	25.26	301.24	-0.06867	-0.02346		0.25661	
750426	2129	4.	24.73	300.90	-0.01404	-0.02037		0.26602	
750426	2129	14.	24.21	300.56	-0.03484	-0.01726		0.27620	
750426	2129	24.	23.68	300.22	-0.08957	-0.01418	-0.033664	0.28225	0.944251
750426	2129	34.	23.16	299.88	-0.00399	-0.01121		0.27850	
750426	2129	44.	22.63	299.54	0.01427	-0.00842		0.26071	
750426	2129	54.	22.10	299.21	-0.01322	-0.00592		0.22772	
750426	2130	4.	21.58	298.88	0.03517	-0.00383		0.18083	
750426	2130	14.	21.05	298.55	0.01444	-0.00225		0.12338	
750426	2130	24.	20.52	298.23	0.05158	-0.00127	0.020171	0.06003	0.719282
750426	2130	34.	19.99	297.90	0.05041	-0.00093		-0.00453	
750426	2130	44.	19.46	297.58	-0.10644	-0.00130		-0.06738	
750426	2130	54.	18.93	297.26	-0.11009	-0.00247		-0.12971	
750426	2131	4.	18.40	296.94	0.01341	-0.00445		-0.19513	
750426	2131	14.	17.87	296.62	0.10771	-0.00715		-0.26403	
750426	2131	24.	17.34	296.31	0.05370	-0.01046	0.036705	-0.33101	-0.302933
750426	2131	34.	16.80	295.99	-0.06468	-0.01433		-0.38801	
750426	2131	44.	16.27	295.68	0.08468	-0.01864		-0.42864	
750426	2131	54.	15.74	295.37	-0.07289	-0.02324		-0.44871	
750426	2132	4.	15.21	295.06	-0.13841	-0.02799		-0.44739	
750426	2132	14.	14.67	294.75	0.01139	-0.03272		-0.42830	
750426	2132	24.	14.14	294.45	-0.07701	-0.03722	-0.008918	-0.39560	-0.961998
750426	2132	34.	13.60	294.14	-0.03920	-0.04135		-0.35225	
750426	2132	44.	13.07	293.83	-0.03675	-0.04494		-0.30011	
750426	2132	54.	12.53	293.53	-0.02149	-0.04766		-0.23922	
750426	2133	4.	12.00	293.23	-0.05642	-0.04998		-0.16825	
750426	2133	14.	11.46	292.93	0.00448	-0.05117		-0.08553	
750426	2133	24.	10.93	292.63	-0.04006	-0.05132	-0.051654	0.01012	-0.267020
750426	2133	34.	10.39	292.33	-0.13293	-0.05035		0.11774	
750426	2133	44.	9.86	292.03	-0.13048	-0.04825		0.23234	
750426	2133	54.	9.32	291.73	-0.00964	-0.04429		0.34640	
750426	2134	4.	8.78	291.43	-0.02287	-0.04056		0.45362	
750426	2134	14.	8.25	291.14	-0.07251	-0.03503	-0.035907	0.54977	0.657041
750426	2134	24.	7.71	290.84	-0.01198	-0.02856		0.63107	

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REVOLUTION 239

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750426	2134	34.	7.17	290.55	-0.07063	-0.02132		0.69417	
750426	2134	44.	6.64	290.25	-0.05058	-0.01351		0.73644	
750426	2134	55.	6.10	289.96	-0.02539	-0.00534		0.75675	
750426	2135	5.	5.56	289.66	0.07443	0.00307		0.75760	
750426	2135	15.	5.02	289.37	0.09961	0.01157		0.74531	
750426	2135	25.	4.49	289.08	-0.00562	0.02004	0.017173	0.72736	1.071761
750426	2135	35.	3.95	288.79	-0.03248	0.02836		0.70839	
750426	2135	45.	3.41	288.50	0.06464	0.03642		0.68874	
750426	2135	55.	2.87	288.20	0.00481	0.04419		0.66655	
750426	2136	5.	2.33	287.91	0.03450	0.05159		0.63908	
750426	2136	15.	1.80	287.62	0.01472	0.05856		0.60267	
750426	2136	25.	1.26	287.33	0.10421	0.06499	0.079926	0.55476	0.847548
750426	2136	35.	0.72	287.04	0.08929	0.07084		0.49528	
750426	2136	45.	0.18	286.75	0.14658	0.07604		0.42709	
750426	2136	55.	-0.36	286.46	0.08502	0.08052		0.35451	
750426	2137	5.	-0.90	286.17	0.04305	0.08422		0.28135	
750426	2137	15.	-1.43	285.88	0.09233	0.06709		0.20918	
750426	2137	25.	-1.97	285.58	0.08798	0.08914	0.109822	0.13853	0.170486
750426	2137	35.	-2.51	285.29	0.08188	0.09041		0.07012	
750426	2137	45.	-3.05	285.00	0.16273	0.09094		0.00516	
750426	2137	55.	-3.59	284.71	0.09376	0.09080		-0.05430	
750426	2138	5.	-4.12	284.42	0.03622	0.09002		-0.10681	
750426	2138	15.	-4.66	284.13	0.10906	0.08864		-0.15307	
750426	2138	25.	-5.20	283.83	0.05105	0.08671	0.104191	-0.19465	-0.316242
750426	2138	35.	-5.74	283.54	0.09461	0.08430		-0.23207	
750426	2138	45.	-6.27	283.25	0.13557	0.08147		-0.26815	
750426	2138	55.	-6.81	282.95	0.10631	0.07829		-0.29933	
750426	2139	5.	-7.35	282.66	0.01856	0.07479		-0.32529	
750426	2139	15.	-7.89	282.36	0.09683	0.07097		-0.34683	
750426	2139	25.	-8.42	282.07	0.03255	0.06686	0.077579	-0.36604	-0.517667
750426	2139	35.	-8.96	281.77	0.06398	0.06248		-0.38541	
750426	2139	45.	-9.50	281.47	0.04799	0.05780		-0.40750	
750426	2139	55.	-10.03	281.17	0.03766	0.05261		-0.43441	
750426	2140	5.	-10.57	280.87	0.09307	0.04749		-0.46587	
750426	2140	15.	-11.10	280.57	0.06032	0.04182		-0.50163	
750426	2140	25.	-11.64	280.27	-0.03800	0.03577	0.039006	-0.53912	-0.872332
750426	2140	35.	-12.18	279.97	0.01388	0.02935		-0.57630	
750426	2140	45.	-12.71	279.67	0.14626	0.02263		-0.60964	
750426	2140	55.	-13.25	279.36	0.07022	0.01578		-0.63179	
750426	2141	5.	-13.78	279.06	0.04451	0.00897		-0.63403	
750426	2141	15.	-14.31	278.75	0.03293	0.00335		-0.61074	
750426	2141	25.	-14.85	278.45	-0.05774	-0.00392	-0.039882	-0.56182	-1.866040
750426	2141	35.	-15.38	278.14	-0.10273	-0.00967		-0.49273	
750426	2141	45.	-15.91	277.83	-0.01361	-0.01477		-0.41228	
750426	2141	55.	-16.45	277.52	-0.00598	-0.01908		-0.32905	
750426	2142	5.	-16.98	277.20	-0.05066	-0.02257		-0.24944	
750426	2142	15.	-17.51	276.89	-0.07057	-0.02529		-0.17853	
750426	2142	25.	-18.04	276.57	-0.03197	-0.02784	-0.162633	-0.12038	-1.745440
750426	2142	35.	-18.57	276.26	-0.06144	-0.02878		-0.07638	
750426	2142	45.	-19.10	275.93	-0.06341	-0.02970		-0.04432	
750426	2142	55.	-19.64	275.61	-0.02937	-0.03022		-0.02050	
750426	2143	5.	-20.16	275.29	-0.00405	-0.03040		-0.00124	
750426	2143	15.	-20.69	274.96	-0.03068	-0.03026		0.01784	
750426	2143	25.	-21.22	274.64	-0.00455	-0.02978	-0.207610	0.04104	0.461412
750426	2143	35.	-21.75	274.31	-0.02776	-0.02894		0.07173	
750426	2143	45.	-22.28	273.98	-0.06725	-0.02768		0.11138	
750426	2143	55.	-22.81	273.64	-0.05491	-0.02898		0.15868	
750426	2144	5.	-23.33	273.31	-0.03926	-0.02379		0.21029	
750426	2144	15.	-23.86	272.97	0.00336	-0.02106		0.26276	
750426	2144	25.	-24.38	272.63	-0.04298	-0.01780	-0.124249	0.31317	1.818985
750426	2144	35.	-24.91	272.29	0.02437	-0.01404		0.35892	
750426	2144	45.	-25.43	271.94	-0.07487	-0.00985		0.39738	
750426	2144	55.	-25.96	271.59	-0.01212	-0.00535		0.42541	
750426	2145	5.	-26.48	271.24	-0.04528	-0.00067		0.43986	
750426	2145	15.	-27.00	270.89	-0.02728	-0.00466		0.43866	
750426	2145	25.	-27.52	270.53	0.06322	-0.00871	-0.026045	0.42154	1.340879
750426	2145	35.	-28.04	270.18	0.04167	0.01313		0.39048	
750426	2145	45.	-28.56	269.81	-0.02328	-0.01716		0.34766	
750426	2145	55.	-29.08	269.45	0.01536	0.02061		0.29348	
750426	2146	5.	-29.60	269.08	0.01861	0.02334		0.22684	
750426	2146	15.	-30.11	268.71	-0.00234	0.02518		0.14645	
750426	2146	25.	-30.63	268.33	-0.01341	0.02600	0.020851	0.05137	0.040868
750426	2146	35.	-31.15	267.95	0.07968	0.02588		-0.05784	
750426	2146	45.	-31.66	267.57	0.09348	0.02417		-0.17711	
750426	2146	55.	-32.17	267.18	0.00339	0.02145		-0.29896	
750426	2147	5.	-32.69	266.79	0.09371	0.01753		-0.41507	
750426	2147	15.	-33.20	266.40	-0.00308	-0.01252		-0.51733	
750426	2147	25.	-33.71	266.00	-0.03820	-0.00657	-0.014961	-0.59891	-1.003077
750426	2147	35.	-34.22	265.60	-0.03085	-0.00011		-0.65544	
750426	2147	45.	-34.72	265.19	-0.04016	-0.00729		-0.68910	
750426	2147	55.	-35.23	264.78	0.03798	-0.01467		-0.68836	
750426	2148	5.	-35.74	264.37	-0.02550	-0.02198		-0.66635	
750426	2148	15.	-36.24	263.95	-0.17843	-0.02897		-0.62146	
750426	2148	25.	-36.74	263.52	-0.00762	-0.03546	-0.070854	-0.55831	-0.613800
750426	2148	35.	-37.25	263.09	0.08860	-0.04114		-0.48017	
750426	2148	45.	-37.75	262.65	-0.07816	-0.04579		-0.38623	
750426	2148	55.	-38.25	262.21	0.03044	-0.04927		-0.27561	
750426	2149	5.	-38.74	261.77	-0.09529	-0.05148		-0.15058	
750426	2149	15.	-39.24	261.31	-0.24694	-0.05243		-0.01844	
750426	2149	25.	-39.73	260.86	-0.02449	-0.05222	-0.074605	0.10739	0.476079
750426	2149	35.	-40.23	260.39	-0.14292	-0.05056		0.21265	
750426	2149	45.	-40.72	259.92	-0.06312	-0.04887		0.28620	
750426	2149	55.	-41.21	259.45	-0.10305	-0.04622		0.32146	
750426	2150	5.	-41.70	258.96	-0.16514	-0.04328		0.31893	
750426	2150	15.	-42.18	258.47	0.01061	-0.04025		0.28769	
750426	2150	25.	-42.67	257.98	0.11431	-0.03737	-0.021367	0.24159	1.183825
750426	2150	35.	-43.15	257.48	-0.13542	-0.03483		0.19255	
750426	2150	45.	-43.63	256.96	-0.13210	-0.03284		0.14935	
750426	2150	55.	-44.11	256.45	-0.15610	-0.03154		0.09661	
750426	2151	5.	-44.59	255.92	-0.02950	-0.03058		0.04022	
750426	2151	15.	-45.06	255.39	-0.02873	-0.03111		-0.02655	
750426	2151	25.	-45.53	254.85	-0.16587	-0.03187	0.045293	-0.89942	0.783501
750426	2151	35.	-46.00	254.30	-0.08729	-0.03314		-0.16705	
750426	2151	45.	-46.47	253.74	-0.13386	-0.03480		-0.21576	
750426	2151	55.	-46.93	253.17	-0.10390	-0.03658		-0.23309	
750426	2152	5.	-47.40	252.59	-0.03693	-0.03823		-0.21065	
750426	2152	15.	-47.86	252.01	-0.01329	-0.03938		-0.14630	

REVOLUTION 239

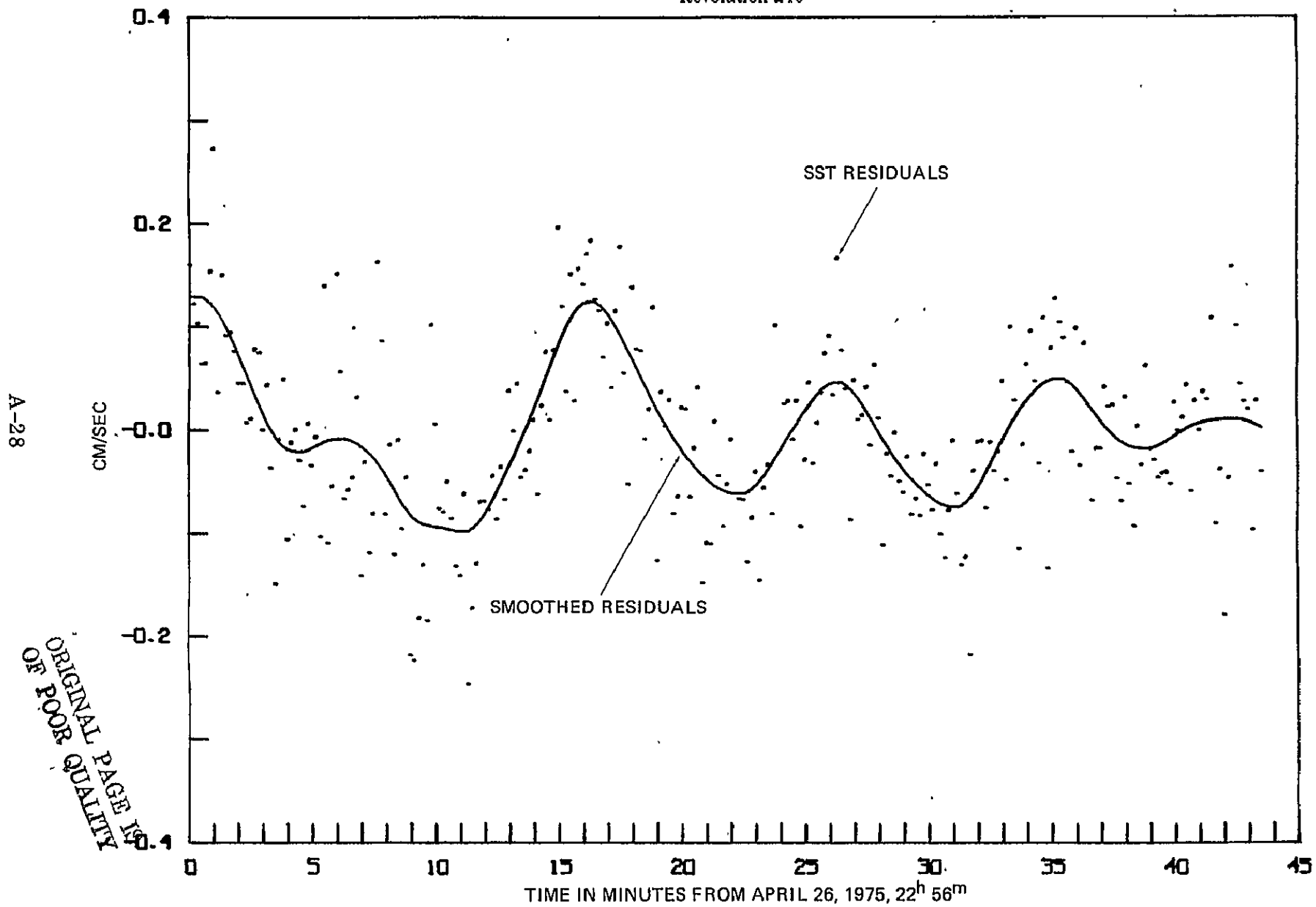
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750426	2152	26.	-48.31	251.41	-0.09708	-0.03968	0.064086	-0.04289	-0.045192
750426	2152	36.	-48.77	250.80	-0.15655	-0.03886		0.09106	
750426	2152	46.	-49.22	250.19	-0.03640	-0.03673		0.24182	
750426	2152	56.	-49.67	249.56	-0.08202	-0.03317		0.39416	
750426	2153	6.	-50.11	248.92	-0.05358	-0.02822		0.53393	
750426	2153	16.	-50.56	248.28	-0.05770	-0.02205		0.64845	
750426	2153	26.	-51.00	247.62	-0.03839	-0.01494	0.052571	0.72795	-0.238835
750426	2153	36.	-51.43	246.95	-0.03736	-0.00722		0.76652	
750426	2153	46.	-51.86	246.26	0.02854	0.00075		0.76329	
750426	2153	56.	-52.29	245.57	0.06354	0.00856		0.72171	
750426	2154	6.	-52.72	244.86	0.01292	0.01584		0.64763	
750426	2154	16.	-53.14	244.14	-0.01606	0.02225		0.54730	
750426	2154	26.	-53.56	243.40	0.07391	0.02750	0.039247	0.42641	-0.241414
750426	2154	36.	-53.97	242.65	0.13962	0.03143		0.29151	
750426	2154	46.	-54.38	241.89	-0.06903	0.03352		0.15010	
750426	2154	56.	-54.78	241.11	0.04976	0.03484		0.00746	
750426	2155	6.	-55.18	240.32	0.00938	0.03420		-0.13314	
750426	2155	16.	-55.58	239.52	0.08148	-0.02207		-0.26761	
750426	2155	26.	-55.97	238.69	0.05813	0.02566	0.027841	0.39621	-0.032009
750426	2155	36.	-56.35	237.86	0.04404	-0.02395		-0.49363	
750426	2155	46.	-56.73	237.00	0.05571	-0.01848		-0.57059	
750426	2155	56.	-57.11	236.13	0.02374	0.01240		-0.61478	
750426	2156	6.	-57.48	235.25	0.00479	0.00607		-0.62203	
750426	2156	16.	-57.84	234.34	-0.02593	-0.00013		-0.59143	
750426	2156	26.	-58.20	233.42	-0.00136	-0.00587	0.039598	-0.52552	0.386999
750426	2156	36.	-58.55	232.48	-0.09841	-0.01083		-0.42982	
750426	2156	46.	-58.89	231.53	-0.01253	-0.01476		-0.31379	
750426	2156	56.	-59.23	230.55	-0.02574	-0.01742		-0.18215	
750426	2157	6.	-59.56	229.56	-0.06023	-0.01877		-0.04795	
750426	2157	16.	-59.88	228.55	-0.10860	-0.01881		0.08067	
750426	2157	26.	-60.20	227.52	0.01514	-0.01764	0.062803	0.19432	0.232110
750426	2157	36.	-60.51	226.47	-0.01442	-0.01537		0.28659	
750426	2157	46.	-60.81	225.40	0.00693	-0.01218		0.35511	
750426	2157	56.	-61.10	224.31	0.02295	-0.00829		0.40051	
750426	2158	6.	-61.39	223.21	-0.00512	-0.00391		0.42656	
750426	2158	16.	-61.66	222.08	0.00601	-0.00073		0.43378	
750426	2158	26.	-61.93	220.94	0.07285	0.00547	0.051730	0.42870	-0.708838
750426	2158	36.	-62.19	219.77	-0.01716	0.01016		0.41364	
750426	2158	46.	-62.44	218.59	-0.01981	0.01461		0.38994	
750426	2158	56.	-62.68	217.39	0.00414	0.01868		0.35608	
750426	2159	6.	-62.91	216.17	-0.11821	0.02221		0.30919	
750426	2159	16.	-63.13	214.93	0.15378	0.02508		0.24678	
750426	2159	26.	-63.34	213.67	0.01047	0.02726	-0.014864	0.17075	-1.280095
750426	2159	36.	-63.54	212.40	0.14928	0.02871		0.08811	
750426	2159	46.	-63.73	211.11	0.06583	0.02945		0.00846	
750426	2159	56.	-63.91	209.80	-0.01053	0.02951		-0.05864	
750426	22 0	6.	-64.07	208.48	0.04169	0.02900		-0.16726	
750426	22 0	16.	-64.23	207.14	0.07691	0.02868		-0.13499	
750426	22 0	26.	-64.37	205.79	-0.04948	0.02693		-0.14211	
750426	22 0	36.	-64.50	204.42	-0.03850	0.02566		-0.13259	
750426	22 0	46.	-64.62	203.05	-0.01573	0.02439		-0.11310	
750426	22 0	56.	-64.73	201.66	0.13261	0.02324		-0.08984	
750426	22 1	6.	-64.83	200.26	-0.02087	0.02230		-0.06644	
750426	22 1	16.	-64.91	198.86	-0.01411	0.02157		-0.04450	
750426	22 1	26.	-64.98	197.44	0.04361	0.02102		-0.02650	
750426	22 1	36.	-65.04	196.02	-0.00424	0.02064		-0.01397	
750426	22 1	46.	-65.08	194.59	0.06836	0.02037		-0.00758	
750426	2250	54.	64.00	16.46	0.12660	0.10550		0.0	

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GEOS-3 Revolution No. 240

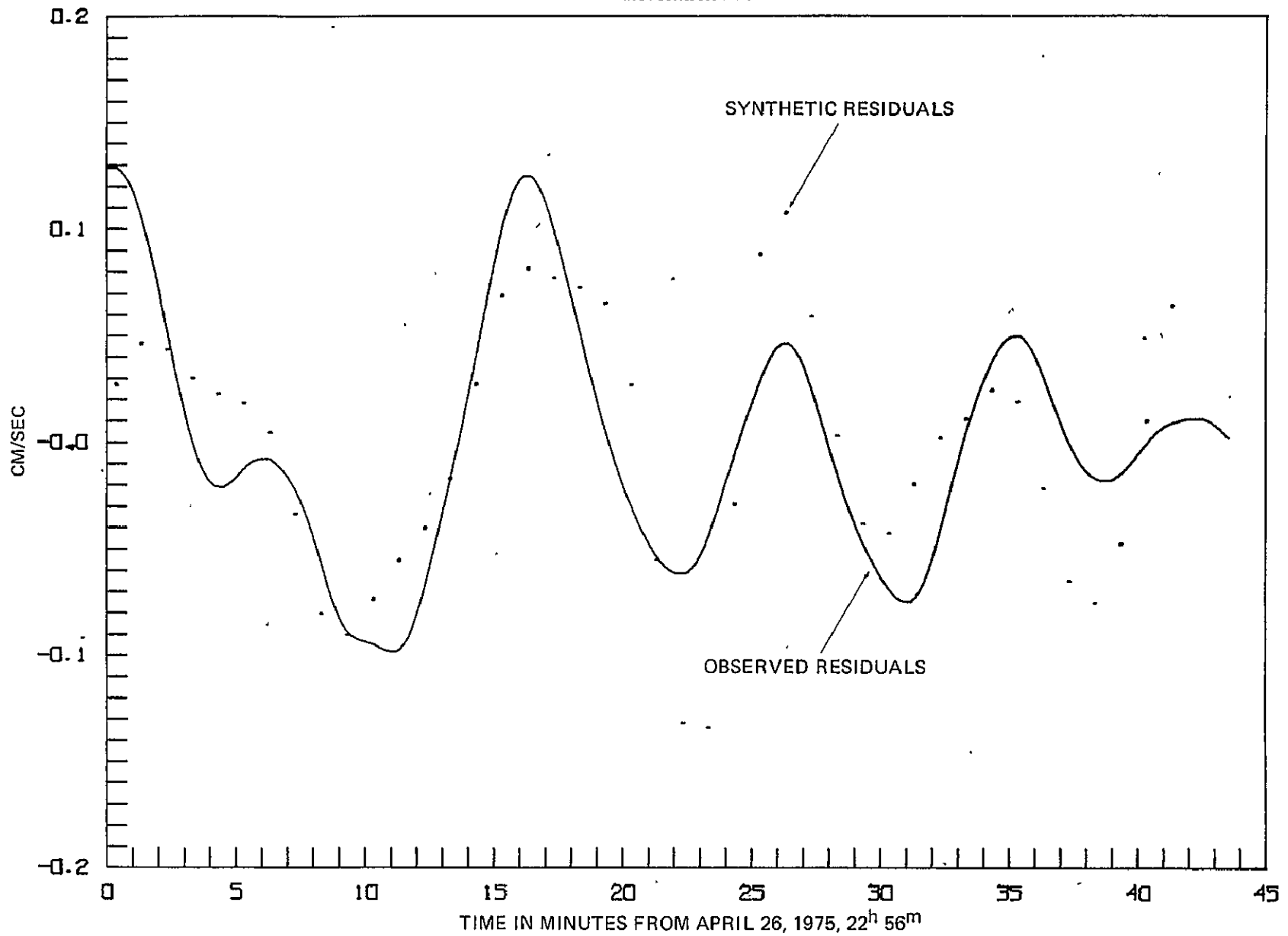
April 26, 1975, 22<sup>h</sup> 56<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 240

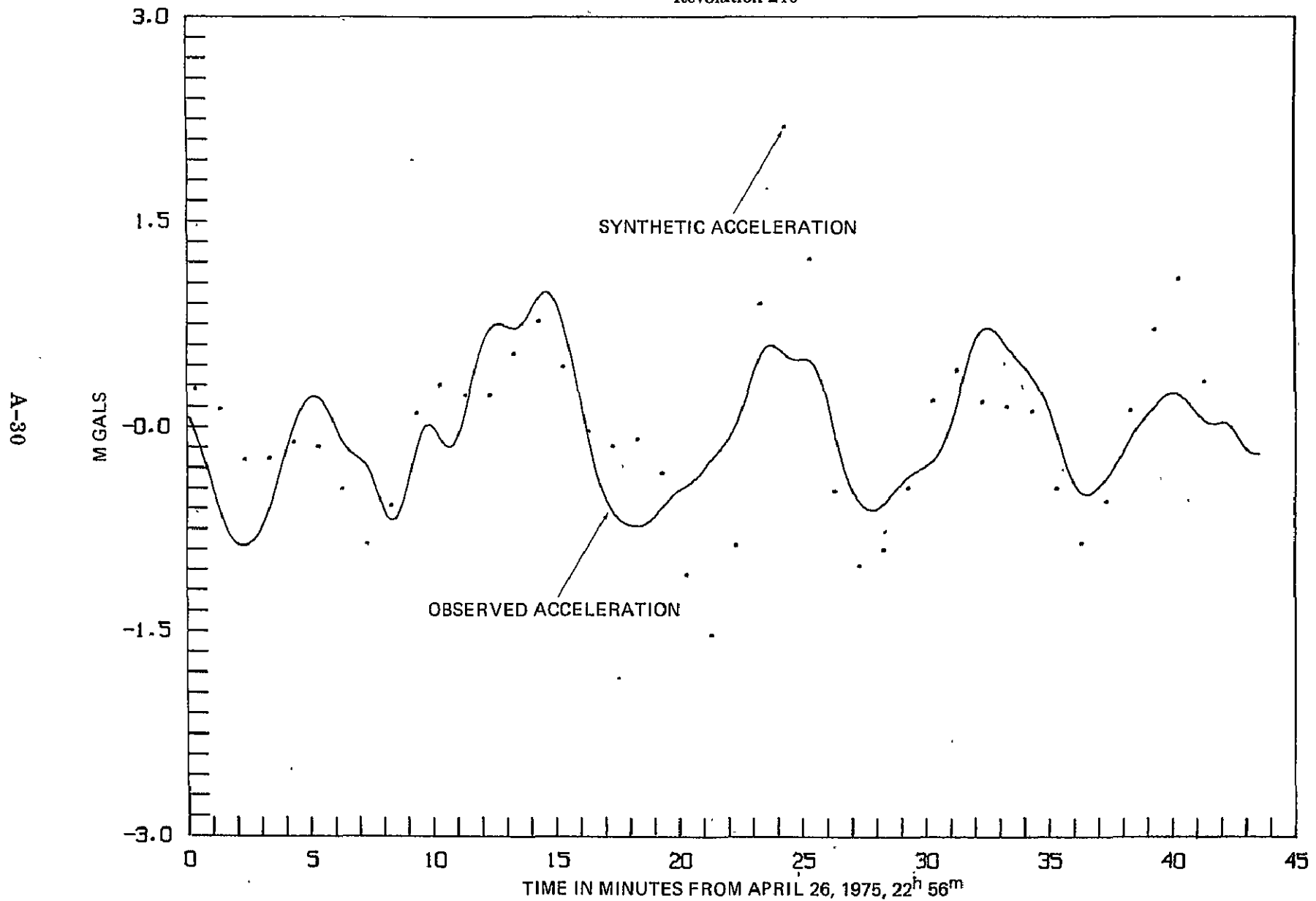


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 240

A-29

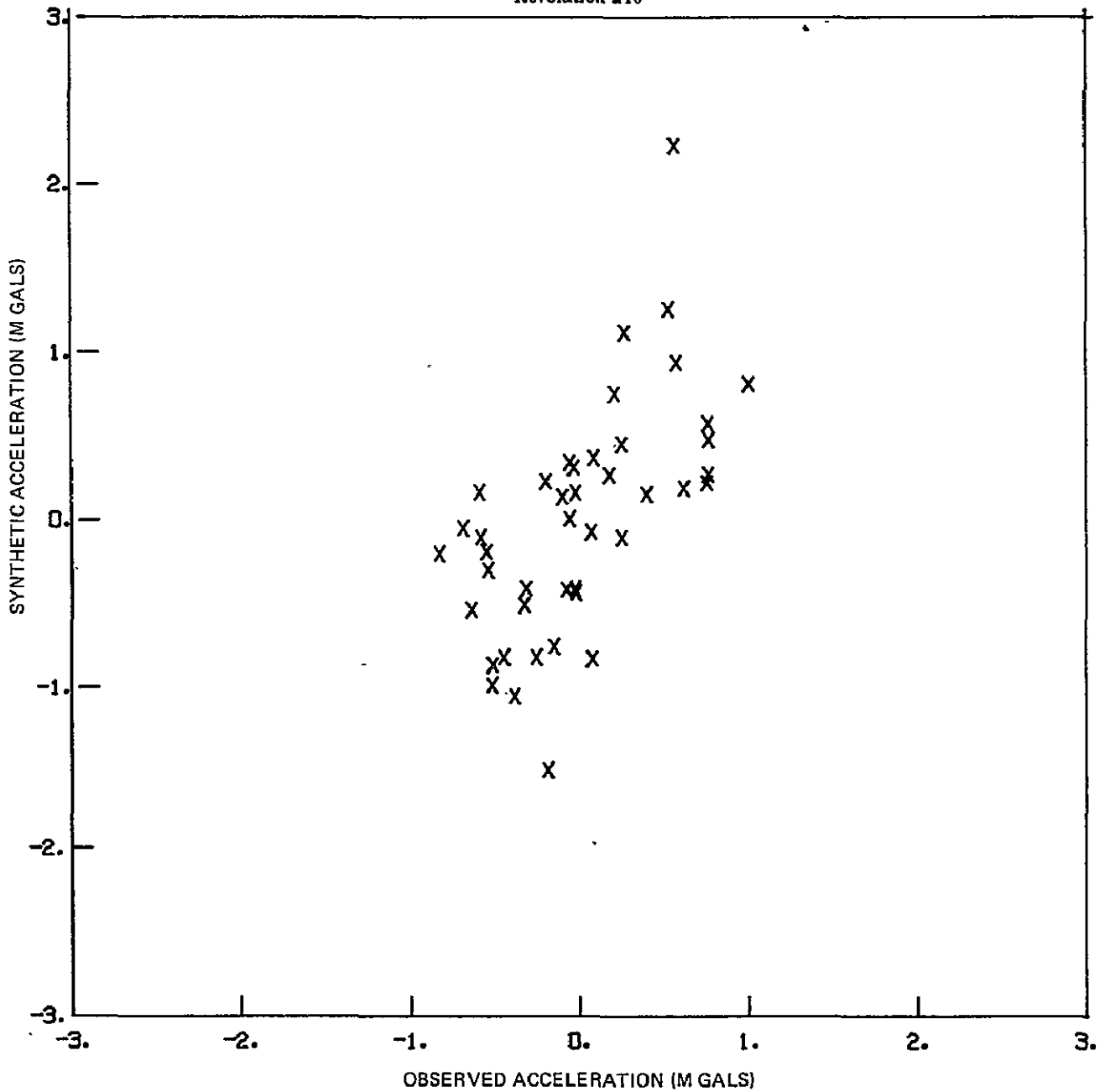


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 240





GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 240



REVOLUTION 240

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750426	2255	4.	63.22	333.57	0.16444	0.12854		0.06862	
750426	2256	14.	63.00	332.32	0.12619	0.12886		-0.00144	
750426	2256	24.	62.78	331.09	0.10740	0.12839	0.029805	-0.07603	0.313803
750426	2256	34.	62.54	329.88	0.06804	0.12704		-0.15872	
750426	2256	44.	62.30	328.69	0.06919	0.12465		-0.24542	
750426	2256	54.	62.04	327.51	0.15634	0.12115		-0.34236	
750426	2257	4.	61.78	326.36	0.27767	0.11653		-0.44421	
750426	2257	14.	61.50	325.23	0.04024	0.11088		-0.54463	
750426	2257	24.	61.22	324.11	0.16486	0.10424	0.048947	-0.63764	0.165741
750426	2257	34.	60.93	323.01	0.09546	0.09660		-0.71937	
750426	2257	44.	60.63	321.94	0.09875	0.08820		-0.78518	
750426	2257	54.	60.33	320.88	0.08015	0.07918		-0.83328	
750426	2258	4.	60.01	319.84	0.04933	0.06971		-0.86325	
750426	2258	14.	59.59	318.82	0.04930	0.05955		-0.87650	
750426	2258	24.	59.36	317.82	0.01152	0.05007	0.045701	-0.87544	-0.202513
750426	2258	34.	59.03	316.84	0.01563	0.04023		-0.86255	
750426	2258	44.	58.56	315.87	0.08284	0.03061		-0.83021	
750426	2258	54.	58.34	314.92	0.07948	0.02139		-0.80370	
750426	2259	4.	57.98	314.00	0.00443	0.01275		-0.75250	
750426	2259	14.	57.62	313.08	0.04853	0.00485		-0.68294	
750426	2259	24.	57.26	312.19	-0.03231	-0.00217	0.032231	-0.59476	-0.191486
750426	2259	34.	56.88	311.31	-0.14470	-0.00820		-0.49134	
750426	2259	44.	56.50	310.45	-0.00447	-0.01316		-0.38004	
750426	2259	54.	56.12	309.61	0.05379	-0.01657		-0.26819	
750426	23 0	4.	55.73	308.79	-0.01080	-0.01050		-0.16042	
750426	23 0	14.	55.34	307.97	-0.00664	-0.02110		-0.06083	
750426	23 0	24.	54.94	307.17	0.00546	-0.02158	0.024854	-0.02697	-0.073888
750426	23 0	34.	54.54	306.39	-0.02468	-0.02116		-0.10997	
750426	23 0	44.	54.13	305.62	-0.06958	-0.02001		0.15952	
750426	23 0	54.	53.72	304.86	0.01163	-0.01833		0.20048	
750426	23 1	4.	53.30	304.12	-0.02995	-0.01631		0.22242	
750426	23 1	14.	52.88	303.40	-0.00146	-0.01415		0.22489	
750426	23 1	24.	52.46	302.68	-0.09899	-0.01266	0.020369	0.24803	-0.106058
750426	23 1	34.	52.03	301.98	0.14474	-0.01024		0.17269	
750426	23 1	44.	51.60	301.29	-0.10491	-0.00881		0.12240	
750426	23 1	54.	51.17	300.62	-0.04905	-0.00794		0.06149	
750426	23 2	4.	50.73	299.95	0.15657	-0.00767		-0.00543	
750426	23 2	14.	50.29	299.30	0.06083	-0.00796		-0.07029	
750426	23 2	24.	49.84	298.66	-0.06169	-0.00880	0.006525	-0.12454	-0.418325
750426	23 2	34.	49.39	298.03	-0.05253	-0.01017		-0.16473	
750426	23 2	44.	48.94	297.41	-0.04058	-0.01202		-0.19281	
750426	23 2	54.	48.49	296.80	0.03705	-0.01428		-0.21376	
750426	23 3	4.	48.03	296.20	-0.13660	-0.01654		-0.23379	
750426	23 3	14.	47.57	295.61	-0.02558	-0.02005		-0.26961	
750426	23 3	24.	47.11	295.03	-0.11477	-0.02371	-0.031661	-0.30243	-0.822135
750426	23 3	34.	46.65	294.46	-0.07505	-0.02803		-0.36401	
750426	23 3	44.	46.18	293.89	0.16825	-0.03305		-0.44411	
750426	23 3	54.	45.71	293.34	0.09083	-0.03870		-0.53182	
750426	23 4	4.	45.24	292.79	-0.07628	-0.04465		-0.61057	
750426	23 4	14.	44.77	292.26	-0.00848	-0.05171		-0.66595	
750426	23 4	24.	44.29	291.73	-0.11607	-0.05875	-0.078346	-0.68808	-0.536677
750426	23 4	34.	43.81	291.21	-0.06486	-0.06576		-0.67176	
750426	23 4	44.	43.33	290.69	-0.09088	-0.07236		-0.61567	
750426	23 4	54.	42.85	290.19	-0.04024	-0.07822		-0.52289	
750426	23 5	4.	42.37	289.69	-0.21375	-0.08310		-0.40216	
750426	23 5	14.	41.88	289.20	-0.21888	-0.08654		-0.26913	
750426	23 5	24.	41.40	288.71	-0.17651	-0.08974	-0.088290	-0.14435	0.137398
750426	23 5	34.	40.91	288.23	-0.12538	-0.09164		-0.04726	
750426	23 5	44.	40.42	287.76	-0.18025	-0.09285		0.00892	
750426	23 5	54.	39.92	287.29	0.10729	-0.09364		0.02005	
750426	23 6	4.	39.43	286.83	0.10122	-0.09422		0.00599	
750426	23 6	14.	38.93	286.38	-0.07126	-0.09483		-0.05282	
750426	23 6	24.	38.44	285.93	-0.07408	-0.09562	-0.071254	-0.10282	0.341682
750426	23 6	34.	37.94	285.49	-0.04462	-0.09660		-0.14030	
750426	23 6	44.	37.44	285.05	-0.08921	-0.09763		-0.15243	
750426	23 6	54.	36.94	284.62	-0.12777	-0.09847		-0.13086	
750426	23 7	4.	36.43	284.19	-0.13628	-0.09887		-0.07305	
750426	23 7	14.	35.93	283.77	-0.06639	-0.09852		-0.01784	
750426	23 7	24.	35.42	283.35	-0.24234	-0.09718	-0.052887	0.13437	0.266018
750426	23 7	34.	34.92	282.94	-0.16722	-0.09473		0.26434	
750426	23 7	44.	34.41	282.53	-0.12409	-0.09109		0.39317	
750426	23 7	54.	33.90	282.13	-0.06394	-0.08625		0.50872	
750426	23 8	4.	33.39	281.73	-0.06374	-0.08031		0.60356	
750426	23 8	14.	32.88	281.33	-0.07220	-0.07343		0.67462	
750426	23 8	24.	32.37	280.94	-0.03910	-0.06565	-0.037735	0.72187	0.270187
750426	23 8	34.	31.86	280.55	-0.08161	-0.06777		0.74742	
750426	23 8	44.	31.34	280.17	-0.03057	-0.04942		0.75471	
750426	23 8	54.	30.83	279.79	-0.06237	-0.04065		0.74847	
750426	23 9	4.	30.31	279.41	0.04338	-0.03242		0.73496	
750426	23 9	14.	29.79	279.04	0.00378	-0.02366		0.72227	
750426	23 9	24.	29.28	278.67	0.05014	-0.01521	-0.014495	0.71892	0.572828
750426	23 9	34.	28.76	278.30	-0.04134	-0.00641		0.73148	
750426	23 9	44.	28.24	277.94	-0.03345	0.00263		0.72602	
750426	23 9	54.	27.72	277.58	-0.01471	0.01201		0.80754	
750426	23 10	4.	27.20	277.22	0.01559	0.02179		0.86154	
750426	23 10	14.	26.68	276.86	-0.05734	0.03198		0.91547	
750426	23 10	24.	26.15	276.51	0.02897	0.04252	0.029690	0.95936	0.809743
750426	23 10	34.	25.63	276.16	0.08100	0.05329		0.98417	
750426	23 10	44.	25.11	275.82	0.01462	0.06411		0.98394	

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REVOLUTION 240

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC ACCELERATION CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750426	2310	54.	24.58	275.47	0.08278	0.07471		0.95541	
750426	2311	4.	24.06	275.13	0.20240	0.08487		0.89870	
750426	2311	14.	23.53	274.79	0.12430	0.09436		0.81815	
750426	2311	24.	23.00	274.46	0.04196	0.10291	0.071269	0.71921	0.476393
750426	2311	34.	22.48	274.12	0.15676	0.11027		0.60509	
750426	2311	44.	21.95	273.79	0.03292	0.11628		0.47782	
750426	2311	54.	21.42	273.46	0.16191	0.12077		0.33899	
750426	2312	4.	20.89	273.13	0.14895	0.12371		0.19136	
750426	2312	14.	20.36	272.81	0.17626	0.12507		0.04119	
750426	2312	24.	19.83	272.48	0.18931	0.12489	0.084117	-0.10461	0.006029
750426	2312	34.	19.30	272.16	0.13090	0.12325		-0.23801	
750426	2312	44.	18.77	271.84	0.12026	0.12026		-0.35332	
750426	2312	54.	18.24	271.52	0.07473	0.11606		-0.44841	
750426	2313	4.	17.71	271.21	0.10834	0.11081		-0.52446	
750426	2313	14.	17.18	270.89	0.04541	0.10469		-0.58460	
750426	2313	24.	16.65	270.58	0.12075	0.09787	0.079183	-0.65244	-0.104810
750426	2313	35.	16.11	270.27	0.18322	0.09053		-0.67020	
750426	2313	45.	15.58	269.96	0.05936	0.08282		-0.69790	
750426	2313	55.	15.05	269.65	-0.04715	0.07481		-0.71623	
750426	2314	5.	14.51	269.34	0.14367	0.06655		-0.72807	
750426	2314	15.	13.98	269.03	0.08293	0.05819		-0.73471	
750426	2314	25.	13.44	268.73	0.08137	0.04883	0.074869	-0.73488	-0.049187
750426	2314	35.	12.91	268.42	-0.00390	0.04154		-0.72709	
750426	2314	45.	12.37	268.12	-0.05528	0.03327		-0.71116	
750426	2314	55.	11.84	267.82	0.12432	0.02542		-0.68780	
750426	2315	5.	11.30	267.51	-0.12195	0.01776		-0.65745	
750426	2315	15.	10.77	267.21	0.04227	0.01040		-0.62263	
750426	2315	25.	10.23	266.91	0.00849	0.00339	0.067158	-0.58662	-0.299691
750426	2315	35.	9.70	266.62	0.03413	-0.00324		-0.55131	
750426	2315	45.	9.16	266.32	-0.07613	-0.00950		-0.51796	
750426	2315	55.	8.62	266.02	-0.05883	-0.01545		-0.48855	
750426	2316	5.	8.09	265.73	0.02717	0.02111		-0.46491	
750426	2316	15.	7.55	265.43	0.02531	-0.02647		-0.44606	
750426	2316	25.	7.01	265.13	-0.05984	-0.03152	0.028848	-0.42851	-1.053096
750426	2316	35.	6.47	264.84	-0.01186	-0.03629		-0.40866	
750426	2316	45.	5.94	264.55	0.04653	-0.04073		-0.38348	
750426	2316	55.	5.40	264.25	-0.14386	-0.04481		-0.35069	
750426	2317	5.	4.86	263.96	-0.10380	-0.04856		-0.31165	
750426	2317	15.	4.32	263.67	-0.10537	-0.05154		-0.27088	
750426	2317	25.	3.78	263.38	0.01379	-0.05443	-0.053607	-0.23240	-1.496161
750426	2317	35.	3.25	263.08	-0.03942	-0.05746		-0.19688	
750426	2317	45.	2.71	262.79	-0.08878	-0.05954		-0.16219	
750426	2317	55.	2.17	262.50	-0.04671	-0.06114		-0.12560	
750426	2318	5.	1.63	262.21	-0.00347	-0.06219		-0.08371	
750426	2318	15.	0.56	261.93	-0.06165	-0.06228	-0.125764	-0.03153	-0.830736
750426	2318	25.	0.02	261.64	-0.06268	-0.06117		-0.10855	
750426	2318	35.	-0.52	261.35	-0.12338	-0.05920		-0.19651	
750426	2318	45.	-1.06	261.06	-0.07950	-0.05684		-0.29004	
750426	2319	5.	-1.60	260.76	-0.03479	-0.05257		-0.38198	
750426	2319	15.	-2.14	260.47	-0.14153	-0.04794		-0.46505	
750426	2319	25.	-2.67	259.88	-0.05066	-0.04259	-0.132114	-0.53188	0.936780
750426	2319	35.	-3.21	259.59	-0.02815	-0.03669		-0.57650	
750426	2319	45.	-3.75	259.30	-0.07642	-0.03040		-0.59671	
750426	2319	55.	-4.29	259.01	0.10674	-0.02392		-0.59411	
750426	2320	5.	-5.36	258.42	0.02996	-0.01084		-0.54746	
750426	2320	15.	-5.90	258.13	0.03286	-0.00447	-0.026760	-0.52020	2.233408
750426	2320	25.	-6.44	257.83	-0.00429	0.00172		-0.50009	
750426	2320	35.	-6.98	257.54	0.03317	0.00773		-0.49070	
750426	2320	45.	-7.51	257.24	-0.08904	0.01359		-0.49101	
750426	2321	5.	-8.05	256.95	-0.02362	0.01928		-0.49506	
750426	2321	15.	-8.59	256.65	0.05091	0.02480		-0.49392	
750426	2321	25.	-9.13	256.35	-0.02790	0.03006	0.090471	-0.47933	1.258823
750426	2321	35.	-9.66	256.06	0.01218	0.03489		-0.44436	
750426	2321	45.	-10.20	255.76	0.04160	0.03910		-0.38399	
750426	2321	55.	-10.73	255.46	0.07923	0.04249		-0.29712	
750426	2322	5.	-11.27	255.16	0.09635	0.04486		-0.18736	
750426	2322	15.	-11.81	254.86	0.03833	0.04608		-0.06223	
750426	2322	25.	-12.34	254.56	0.17211	0.04604	0.109875	-0.06854	-0.436566
750426	2322	35.	-12.88	254.25	0.08150	0.04476		-0.19357	
750426	2322	45.	-13.41	253.95	0.04395	0.04229		-0.30430	
750426	2322	55.	-13.95	253.64	-0.08232	0.03668		-0.39476	
750426	2323	5.	-14.48	253.34	0.05328	0.03408		-0.46616	
750426	2323	15.	-15.01	253.03	0.01449	0.02808		-0.52162	
750426	2323	25.	-15.55	252.72	0.01930	0.02266	0.060578	-0.56356	-0.987205
750426	2323	35.	-16.08	252.41	0.04645	0.01621		-0.59352	
750426	2323	45.	-16.61	252.10	-0.01043	0.00949		-0.61174	
750426	2323	55.	-17.15	251.78	0.06825	0.00264		-0.61772	
750426	2324	5.	-17.68	251.47	0.01582	-0.00419		-0.61068	
750426	2324	15.	-18.21	251.15	-0.10738	-0.01029		-0.55075	
750426	2324	25.	-18.74	250.83	-0.01792	-0.01741	0.004831	-0.56110	-0.866809
750426	2324	35.	-19.27	250.51	-0.03992	-0.02365		-0.52635	
750426	2324	45.	-19.80	250.19	0.00218	-0.02954		-0.49001	
750426	2324	55.	-20.33	249.87	-0.04558	-0.02304		-0.44425	
750426	2325	5.	-20.86	249.54	-0.05637	-0.04017		-0.42038	
750426	2325	15.	-21.39	249.21	-0.02046	-0.04495		-0.38961	
750426	2325	25.	-21.92	248.88	-0.07731	-0.04940	-0.036332	-0.36262	-0.411054
750426	2325	35.	-22.44	248.55	-0.06141	-0.05356		-0.33978	
750426	2325	45.	-22.97	248.22	-0.07843	-0.05748		-0.32110	
750426	2325	55.	-23.50	247.88	-0.01797	-0.06116		-0.30575	
750426	2326	5.	-24.02	247.54	-0.04882	-0.06458		-0.29049	
750426	2326	15.	-24.55	247.20	-0.07317	-0.06769		-0.27110	
750426	2326	25.	-25.07	246.86	-0.02755	-0.07045	-0.040833	-0.24337	0.227829
750426	2326	35.	-25.60	246.51	-0.09671	-0.07274		-0.20369	
750426	2326	45.	-26.12	246.16	-0.11963	-0.07447		-0.14986	
750426	2326	55.	-26.64	245.81	-0.07248	-0.07550		-0.08166	
750426	2327	5.	-27.16	245.46	-0.00486	-0.07566		-0.00075	

REVOLUTION 240

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL	SMOOTHED RESIDUAL	SYNTHETIC RESIDUAL	OBSERVED ACCELERATION	SYNTHETIC ACCELERATION
YYMMDD	HHMM	SEC	LAT	E. LONG	CM/SEC	CM/SEC	CM/SEC	MGAL	MGAL
750426	2327	16.	-27.68	245.10	-0.05722	-0.07476		0.09771	
750426	2327	26.	-28.20	244.74	-0.12668	-0.07275	-0.017302	0.20791	0.451235
750426	2327	36.	-28.72	244.38	-0.11830	-0.06538		0.32588	
750426	2327	46.	-29.24	244.01	-0.21383	-0.06531		0.44133	
750426	2327	56.	-29.76	243.64	-0.03419	-0.06002		0.54353	
750426	2328	6.	-30.28	243.27	-0.00638	-0.05378		0.62384	
750426	2328	16.	-30.79	242.89	-0.00514	-0.04677		0.67965	
750426	2328	26.	-31.31	242.51	-0.07121	-0.03920	0.004212	0.71195	0.219477
750426	2328	36.	-31.82	242.13	-0.00666	-0.03132		0.72284	
750426	2328	46.	-32.33	241.74	-0.03498	-0.02337		0.71494	
750426	2328	56.	-32.85	241.35	-0.01534	-0.01551		0.69107	
750426	2329	6.	-33.36	240.95	0.05240	-0.00788		0.65710	
750426	2329	16.	-33.87	240.55	-0.04403	-0.00058		0.61623	
750426	2329	26.	-34.38	240.15	0.10485	0.00634	0.013097	0.57395	0.186614
750426	2329	36.	-34.88	239.74	0.03278	0.01286		0.53435	
750426	2329	46.	-35.39	239.33	0.11090	0.01696		0.49964	
750426	2329	56.	-35.89	238.91	-0.00860	0.02456		0.46728	
750426	2330	6.	-36.40	238.49	0.06854	0.02970		0.43285	
750426	2330	16.	-36.90	238.06	0.10030	0.03440		0.39424	
750426	2330	26.	-37.40	237.63	0.05156	0.03865	0.026681	0.35177	0.152785
750426	2330	36.	-37.90	237.20	-0.02517	0.04236		0.30548	
750426	2330	46.	-38.40	236.75	0.11394	0.04543		0.25308	
750426	2330	56.	-38.90	236.30	-0.12981	0.04775		0.19114	
750426	2331	6.	-39.39	235.85	0.08450	0.04620		0.11583	
750426	2331	16.	-39.89	235.39	0.13275	0.04972		0.02558	
750426	2331	26.	-40.38	234.93	0.10911	0.04930	0.020767	-0.07490	-0.414255
750426	2331	36.	-40.87	234.45	0.09361	0.04790		-0.17715	
750426	2331	46.	-41.36	233.98	0.05050	0.04553		-0.27250	
750426	2331	56.	-41.85	233.49	-0.01650	0.04224		-0.35447	
750426	2332	6.	-42.33	233.00	0.10404	0.03815		-0.41965	
750426	2332	16.	-42.82	232.50	-0.02983	0.03344		-0.46620	
750426	2332	26.	-43.30	232.00	-0.08010	0.02830	-0.018812	-0.49340	-0.820410
750426	2332	36.	-43.78	231.48	0.02863	0.02294		-0.50180	
750426	2332	46.	-44.26	230.96	-0.06374	0.01751		-0.49307	
750426	2332	56.	-44.73	230.44	-0.01278	0.01213		-0.47156	
750426	2333	6.	-45.21	229.90	-0.01348	0.00695		-0.44265	
750426	2333	16.	-45.68	229.36	0.04633	0.00207		-0.40990	
750426	2333	26.	-46.15	228.80	0.02676	-0.00240	-0.063305	-0.37406	-0.507698
750426	2333	36.	-46.61	228.24	0.02903	-0.00638		-0.33370	
750426	2333	46.	-47.08	227.67	-0.04252	-0.00985		-0.28737	
750426	2333	56.	-47.54	227.09	-0.06395	-0.01277		-0.23539	
750426	2334	6.	-48.00	226.50	-0.03674	-0.01514		-0.18004	
750426	2334	16.	-48.45	225.91	-0.04768	-0.01691		-0.12376	
750426	2334	26.	-48.91	225.30	-0.08876	-0.01810	-0.073606	-0.06909	0.161508
750426	2334	36.	-49.36	224.68	0.00875	-0.01875		-0.01933	
750426	2334	46.	-49.80	224.05	-0.02909	-0.01887		-0.02371	
750426	2334	56.	-50.25	223.41	0.06742	-0.01849		0.06096	
750426	2335	6.	-50.69	222.76	-0.01420	-0.01760		0.09532	
750426	2335	16.	-51.13	222.09	-0.02438	-0.01628		0.12978	
750426	2335	26.	-51.56	221.42	-0.04165	-0.01457	-0.045482	0.16482	0.752813
750426	2335	36.	-51.99	220.73	-0.03714	-0.01254		0.19842	
750426	2335	46.	-52.42	220.03	-0.03581	-0.01023		0.22688	
750426	2335	56.	-52.85	219.32	-0.04739	-0.00774		0.24605	
750426	2336	6.	-53.27	218.60	0.03200	-0.00515		0.25261	
750426	2336	16.	-53.68	217.86	0.00370	-0.00255		0.24563	
750426	2336	26.	-54.09	217.11	0.01767	-0.00005	0.012229	0.22668	1.118982
750426	2336	36.	-54.50	216.34	0.04879	0.00226		0.19868	
750426	2336	46.	-54.90	215.56	-0.05479	0.00429		0.16530	
750426	2336	56.	-55.30	214.76	0.03363	0.00537		0.12954	
750426	2337	6.	-55.69	213.95	0.00450	0.00731		0.09406	
750426	2337	16.	-56.08	213.13	0.04246	0.00834		0.06232	
750426	2337	26.	-56.47	212.28	0.03405	0.00914	0.066461	0.03809	0.368394
750426	2337	36.	-56.84	211.43	0.11416	0.00977		0.02477	
750426	2337	46.	-57.22	210.55	-0.08615	0.01032		0.02362	
750426	2337	56.	-57.58	209.66	-0.03232	0.01073		0.03069	
750426	2338	6.	-57.95	208.75	-0.17472	0.01095		0.03645	
750426	2338	16.	-58.30	207.83	-0.04054	0.01092		0.03005	
750426	2338	26.	-58.65	206.88	0.16373	0.01064		0.00492	
750426	2338	36.	-58.99	205.92	0.10566	0.01016		-0.03638	
750426	2338	46.	-59.33	204.94	0.04916	0.00945		-0.08477	
750426	2338	56.	-59.66	203.94	0.03235	0.00843		-0.13060	
750426	2339	6.	-59.98	202.93	-0.02503	0.00706		-0.16665	
750426	2339	16.	-60.29	201.89	-0.09179	0.00537		-0.18877	
750426	2339	26.	-60.60	200.84	0.03367	0.00345		-0.19630	
750426	2339	36.	-60.90	199.77	-0.03554	0.00144		-0.19194	

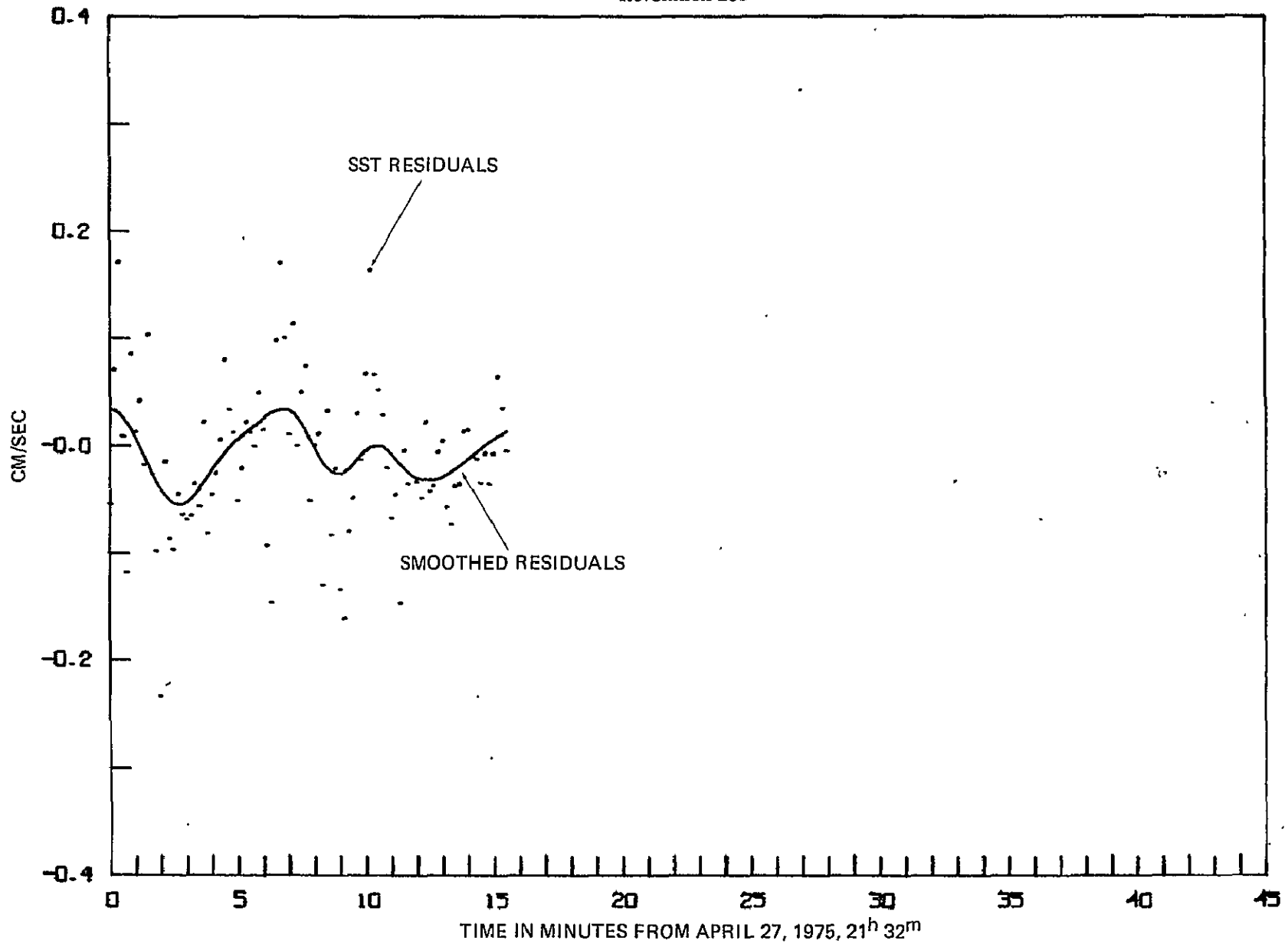
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GEOS-3 Revolution No. 253

April 27, 1975, 21<sup>h</sup> 32<sup>m</sup>

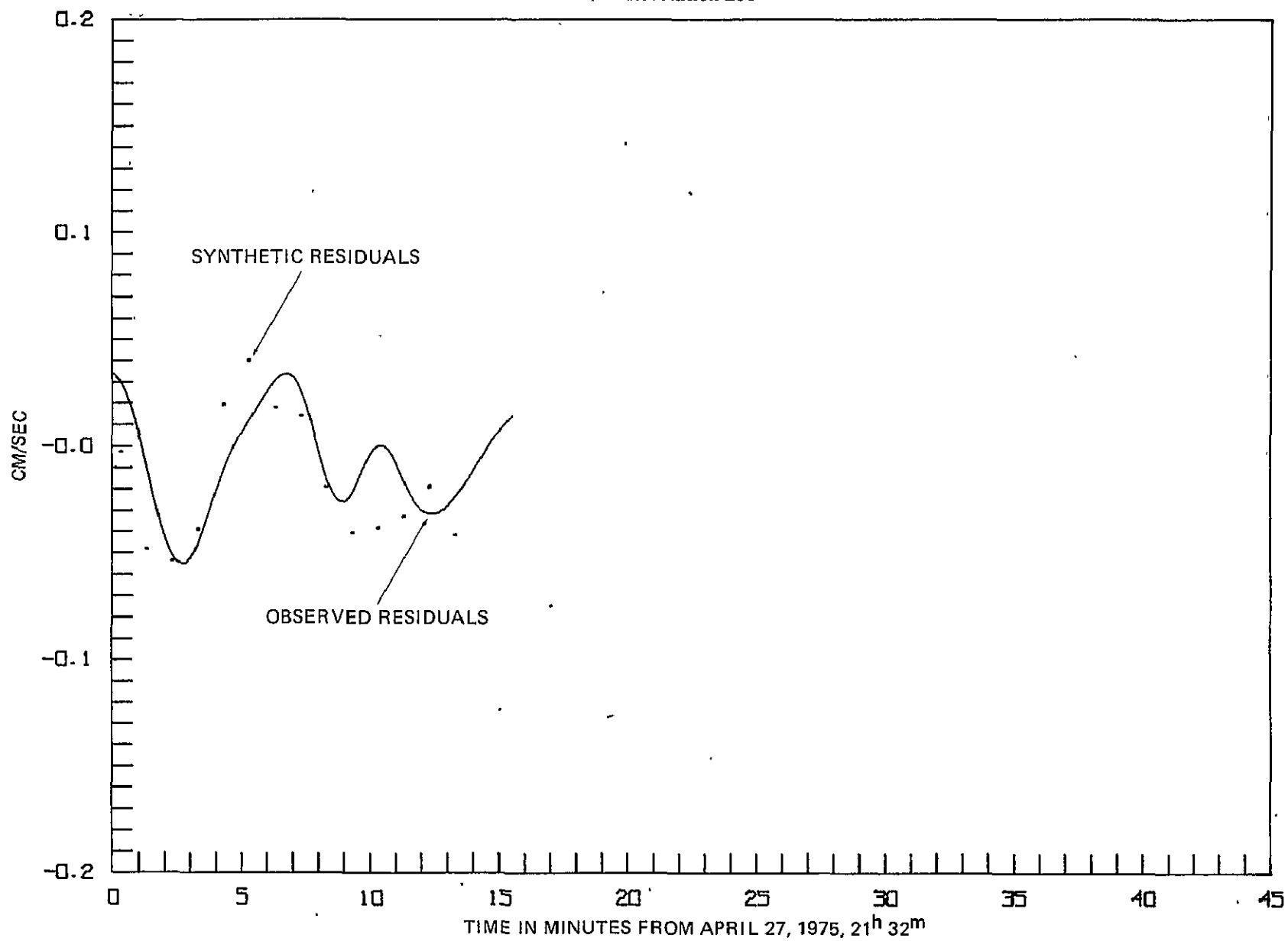
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 253

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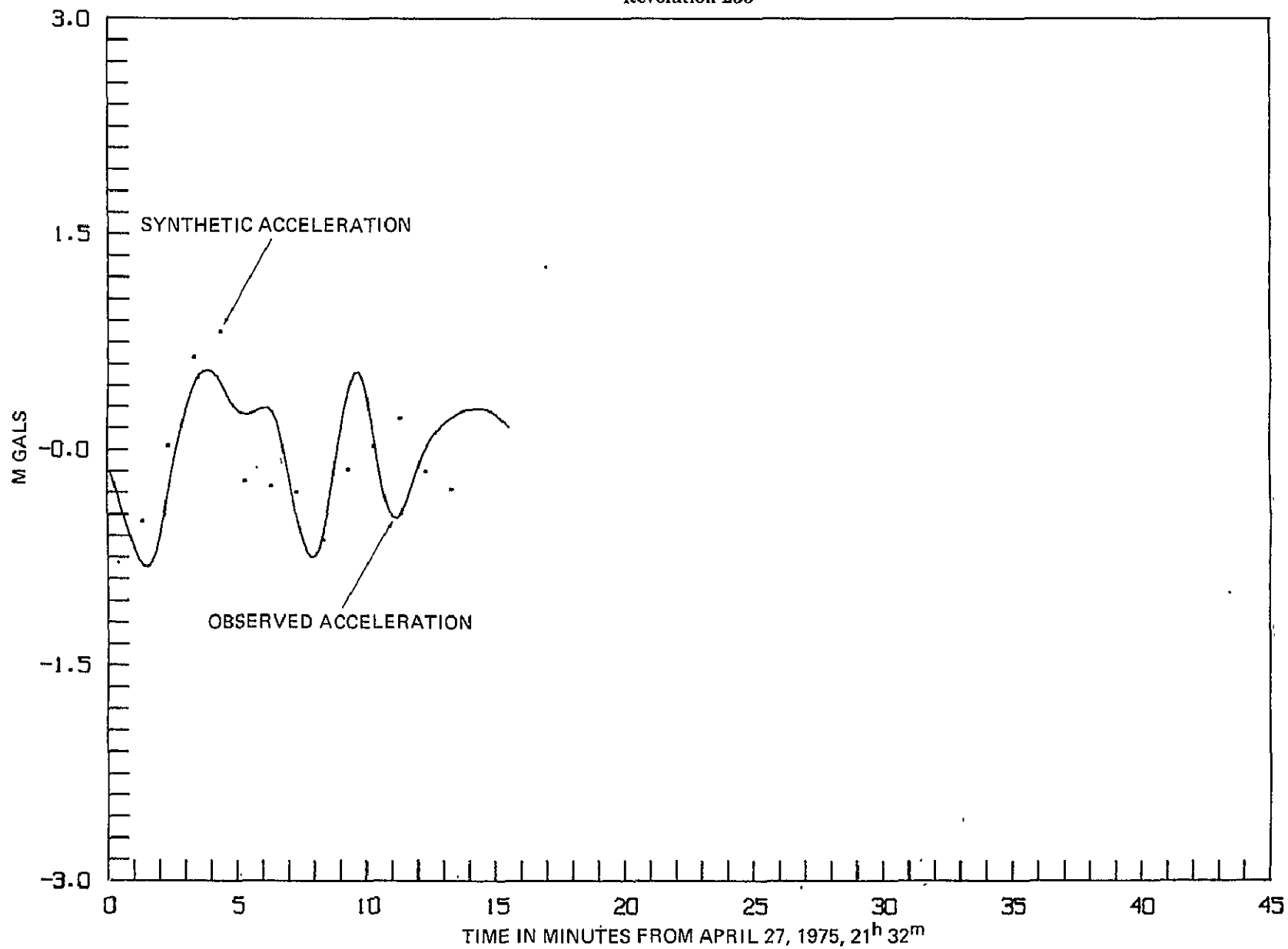
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 253

A-37



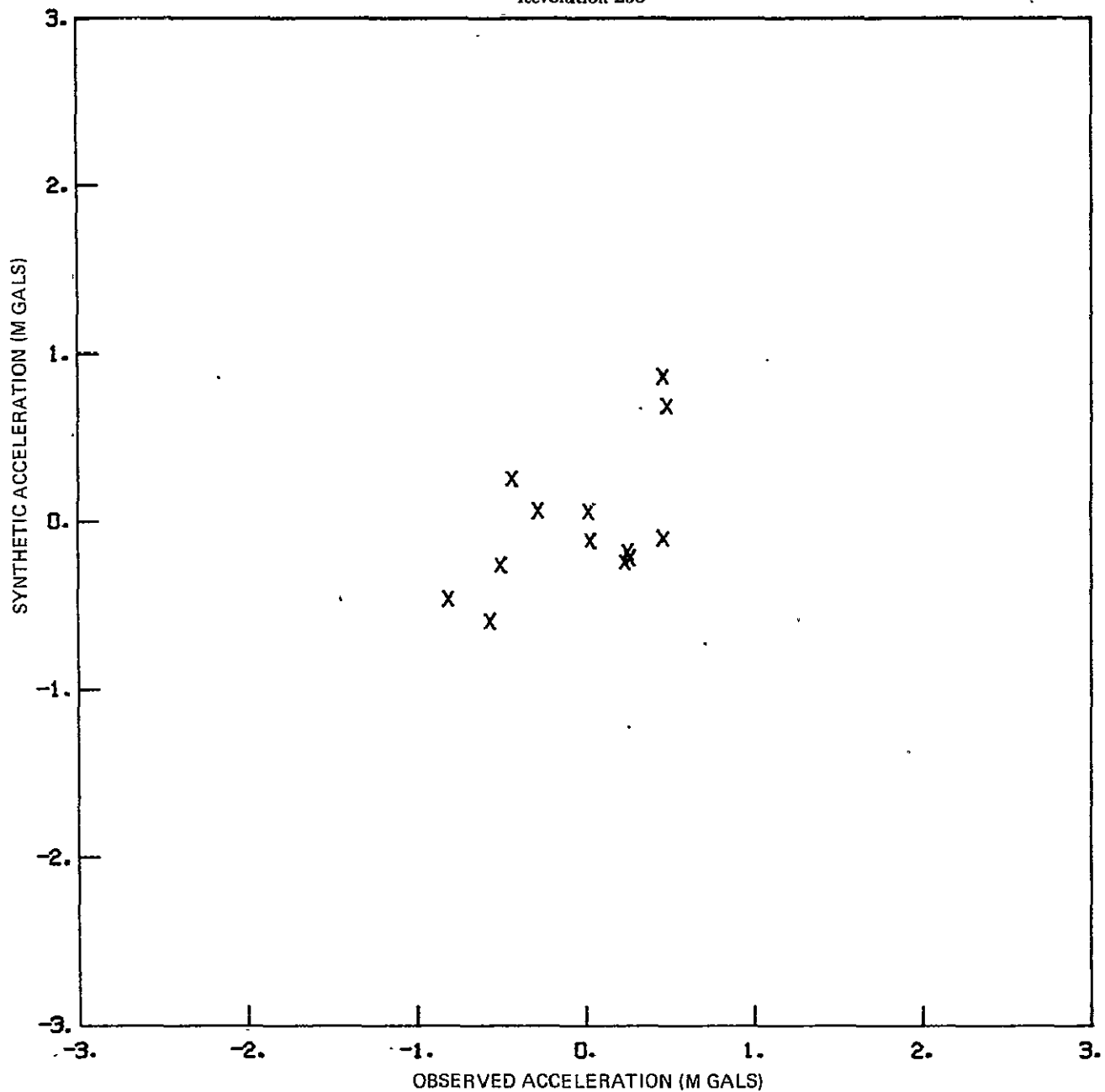
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 253

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GEOS-3/ATS-6 SST Range Rate Residuals  
 Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
 Revolution 253



REVOLUTION 253

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750427	2132	5.	-32.70	272.25	-0.05068	0.03450		-0.14701	
750427	2132	15.	-33.21	271.86	0.07563	0.03202		-0.22990	
750427	2132	25.	-33.72	271.46	0.17559	0.02863	-0.000741	-0.32429	-0.756850
750427	2132	36.	-34.23	271.06	0.01306	0.02426		-0.42337	
750427	2132	46.	-34.74	270.65	-0.11417	0.01887		-0.52255	
750427	2132	56.	-35.25	270.24	0.09040	0.01244		-0.61765	
750427	2133	6.	-35.75	269.82	0.01719	0.00509		-0.70317	
750427	2133	16.	-36.26	269.40	0.04689	-0.00298		-0.77127	
750427	2133	26.	-36.76	268.98	-0.01326	-0.01150	-0.046152	-0.81331	-0.463111
750427	2133	36.	-37.26	268.55	0.10884	-0.02014		-0.82073	
750427	2133	46.	-37.76	268.11	-0.02167	-0.02849		-0.78621	
750427	2133	56.	-38.26	267.67	-0.09407	-0.03621		-0.70682	
750427	2134	6.	-38.76	267.22	-0.22941	-0.04299		-0.58771	
750427	2134	16.	-39.25	266.77	-0.00954	-0.04853		-0.44106	
750427	2134	26.	-39.75	266.31	-0.08241	-0.05255	-0.051635	-0.28042	0.064598
750427	2134	36.	-40.24	265.85	-0.09251	-0.05492		-0.11699	
750427	2134	46.	-40.73	265.38	-0.03951	-0.05561		-0.03958	
750427	2134	56.	-41.22	264.90	-0.05965	-0.05471		-0.18198	
750427	2135	6.	-41.71	264.42	-0.06444	-0.05235		0.30520	
750427	2135	16.	-42.20	263.93	-0.06016	-0.04877		0.40358	
750427	2135	26.	-42.68	263.44	-0.03005	-0.04419	-0.036539	0.48125	0.685370
750427	2135	36.	-43.16	262.93	-0.05192	-0.03888		0.53142	
750427	2135	46.	-43.64	262.42	-0.02700	-0.03308		0.55717	
750427	2135	56.	-44.12	261.90	-0.07735	-0.02707		0.56060	
750427	2136	6.	-44.60	261.38	-0.03904	-0.02109		0.54390	
750427	2136	16.	-45.07	260.84	-0.02005	-0.01536	0.021776	0.50903	
750427	2136	26.	-45.55	260.30	0.01116	-0.01000		0.45965	0.864466
750427	2136	36.	-46.02	259.78	0.08491	-0.00309		0.40226	
750427	2136	46.	-46.48	259.19	0.03791	-0.00063		0.34554	
750427	2136	56.	-46.95	258.62	0.01681	0.00363		0.29826	
750427	2137	6.	-47.41	258.05	-0.04662	0.00702		0.26590	
750427	2137	16.	-47.87	257.46	-0.01561	0.01035		0.24953	
750427	2137	26.	-48.33	256.86	-0.02705	0.01350	0.042647	0.24657	-0.183938
750427	2137	36.	-48.78	256.26	0.01691	0.01660		0.25401	
750427	2137	46.	-49.23	255.64	0.00448	0.01972		0.26927	
750427	2137	56.	-49.68	255.01	0.05465	0.02289		0.28470	
750427	2138	6.	-50.13	254.38	0.01897	0.02604		0.29457	
750427	2138	16.	-50.57	253.73	-0.03911	0.02900		0.29028	
750427	2138	26.	-51.01	253.07	-0.14206	0.03149	0.019981	0.26049	-0.218463
750427	2138	36.	-51.45	252.40	0.10315	0.03324		0.19433	
750427	2138	46.	-51.88	251.71	0.17527	0.03407		0.08875	
750427	2138	56.	-52.31	251.02	0.10495	0.03375		-0.04839	
750427	2139	6.	-52.73	250.31	0.01485	0.03207		-0.20324	
750427	2139	16.	-53.15	249.59	0.11852	0.02889		-0.36106	
750427	2139	26.	-53.57	248.85	0.00453	0.02428	0.016266	-0.50735	-0.261258
750427	2139	36.	-53.98	248.10	0.05483	0.01838		-0.62857	
750427	2139	46.	-54.39	247.34	0.07945	0.01152		-0.71347	
750427	2139	56.	-54.79	246.56	-0.04635	0.00410		-0.75293	
750427	2140	6.	-55.19	245.77	0.00553	-0.00343		-0.74196	
750427	2140	16.	-55.59	244.96	0.01646	-0.01057		-0.68015	
750427	2140	26.	-55.98	244.14	-0.12544	-0.01684	-0.017197	-0.57066	-0.595401
750427	2140	36.	-56.36	243.30	0.03742	-0.02161		-0.42162	
750427	2140	46.	-56.74	242.45	-0.07887	-0.02514		-0.24189	
750427	2140	56.	-57.12	241.58	-0.01603	-0.02662		-0.04623	
750427	2141	6.	-57.49	240.69	-0.12984	-0.02623		0.14957	
750427	2141	16.	-57.85	239.79	-0.15700	-0.02415		0.32591	
750427	2141	26.	-58.21	238.86	-0.07459	-0.02071	-0.038610	0.46148	-0.100934
750427	2141	36.	-58.56	237.93	-0.04339	-0.01636		0.53841	
750427	2141	46.	-58.90	236.97	0.03486	-0.01163		0.54671	
750427	2141	56.	-59.24	235.99	0.00868	-0.00710		0.40598	
750427	2142	6.	-59.57	235.00	0.07196	-0.00334		0.36504	
750427	2142	16.	-59.89	233.99	0.16854	-0.00076		0.20098	
750427	2142	26.	-60.21	232.96	0.07042	0.00038	-0.035978	0.01777	0.060087
750427	2142	36.	-60.52	231.51	0.05637	-0.00003		-0.15913	
750427	2142	46.	-60.82	230.84	0.03294	-0.00192		-0.30813	
750427	2142	56.	-61.11	229.75	-0.01615	-0.00505		-0.41412	
750427	2143	6.	-61.40	228.64	-0.06297	-0.00905		-0.47004	
750427	2143	16.	-61.67	227.52	0.04010	0.01352		0.47700	
750427	2143	26.	-61.94	226.37	-0.14242	-0.01805	-0.030671	-0.44245	0.257536
750427	2143	36.	-62.20	225.20	0.00076	-0.02229		-0.37792	
750427	2143	46.	-62.45	224.02	-0.03025	-0.02592		-0.29555	
750427	2143	56.	-62.69	222.82	-0.10031	-0.02877		-0.20578	
750427	2144	6.	-62.92	221.60	-0.02784	-0.03079		-0.11888	
750427	2144	16.	-63.14	219.36	-0.04359	-0.03197		-0.03973	
750427	2144	26.	-63.35	219.10	0.02694	-0.03235	-0.016500	0.02568	-0.116331
750427	2144	36.	-63.55	217.83	0.03790	-0.03202		0.07809	
750427	2144	46.	-63.73	216.54	-0.03226	-0.03109		0.11953	
750427	2144	56.	-63.91	215.23	-0.00055	-0.02966		0.15260	
750427	2145	6.	-64.08	213.90	0.00956	-0.02781		0.18040	
750427	2145	16.	-64.23	212.57	-0.05267	-0.02560		0.20582	
750427	2145	26.	-64.38	211.21	-0.06889	-0.02312	-0.039659	0.22978	-0.241613
750427	2145	36.	-64.51	209.85	-0.03224	-0.02041		0.25090	
750427	2145	46.	-64.63	208.47	-0.03046	-0.01752		0.26725	
750427	2145	56.	-64.73	207.08	0.01872	-0.01447		0.27795	
750427	2146	6.	-64.83	205.69	0.01954	-0.01128		0.28365	
750427	2146	16.	-64.91	204.28	-0.00566	-0.00800		0.28555	
750427	2146	26.	-64.98	202.86	-0.00759	-0.00471		0.28563	
750427	2146	36.	-65.04	201.44	-0.03013	-0.00147		0.28291	
750427	2146	46.	-65.08	200.02	-0.00176	0.00164		0.27588	
750427	2146	56.	-65.12	198.59	-0.03070	0.00458		0.26322	
750427	2147	6.	-65.13	197.15	-0.00189	0.00731		0.24397	
750427	2147	16.	-65.14	195.72	0.06892	0.00981		0.21790	
750427	2147	26.	-65.13	194.28	0.03927	0.01205		0.18643	
750427	2147	36.	-65.11	192.85	-0.00039	0.01400		0.15283	

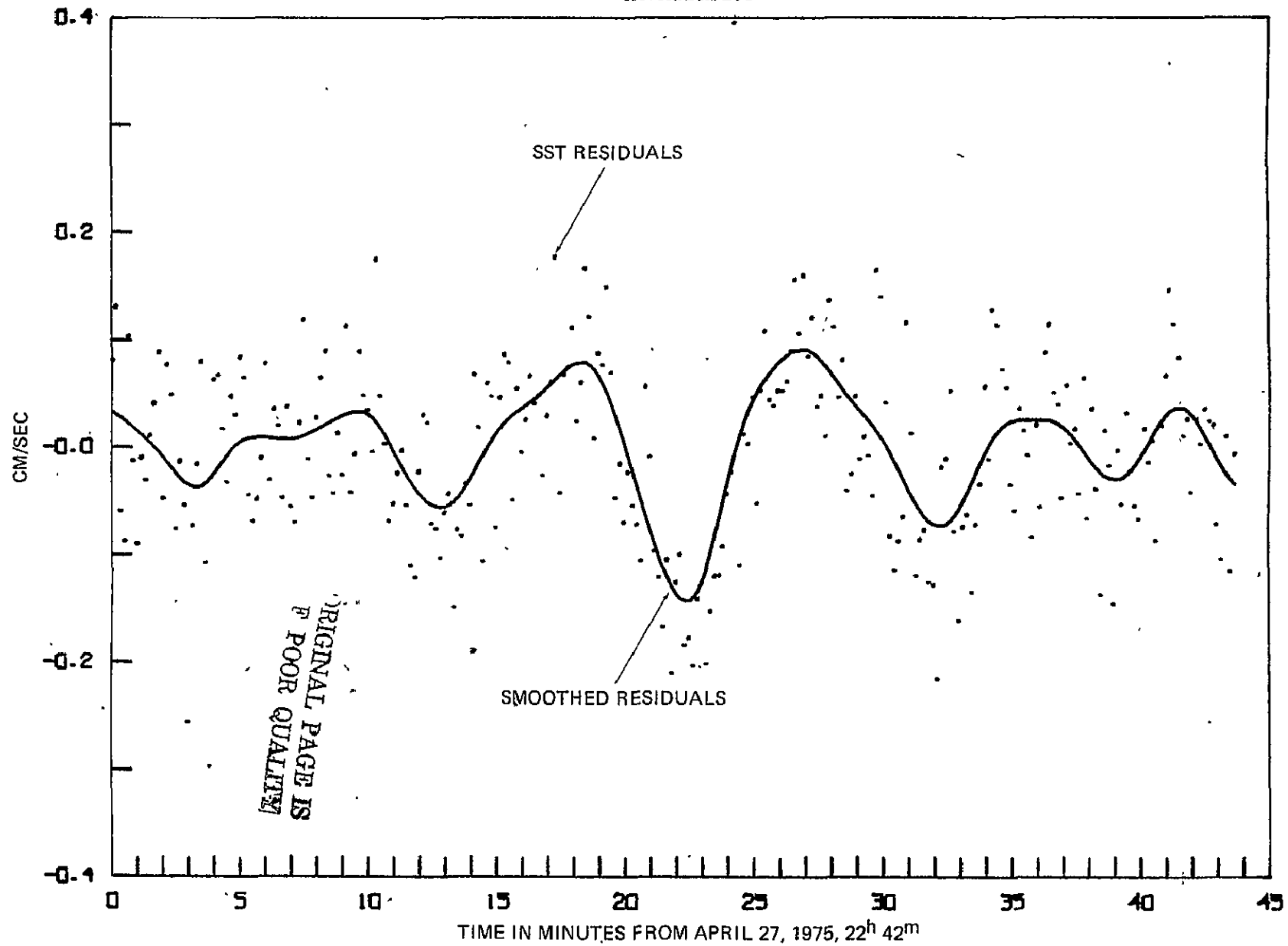
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GEOS-3 Revolution No. 254

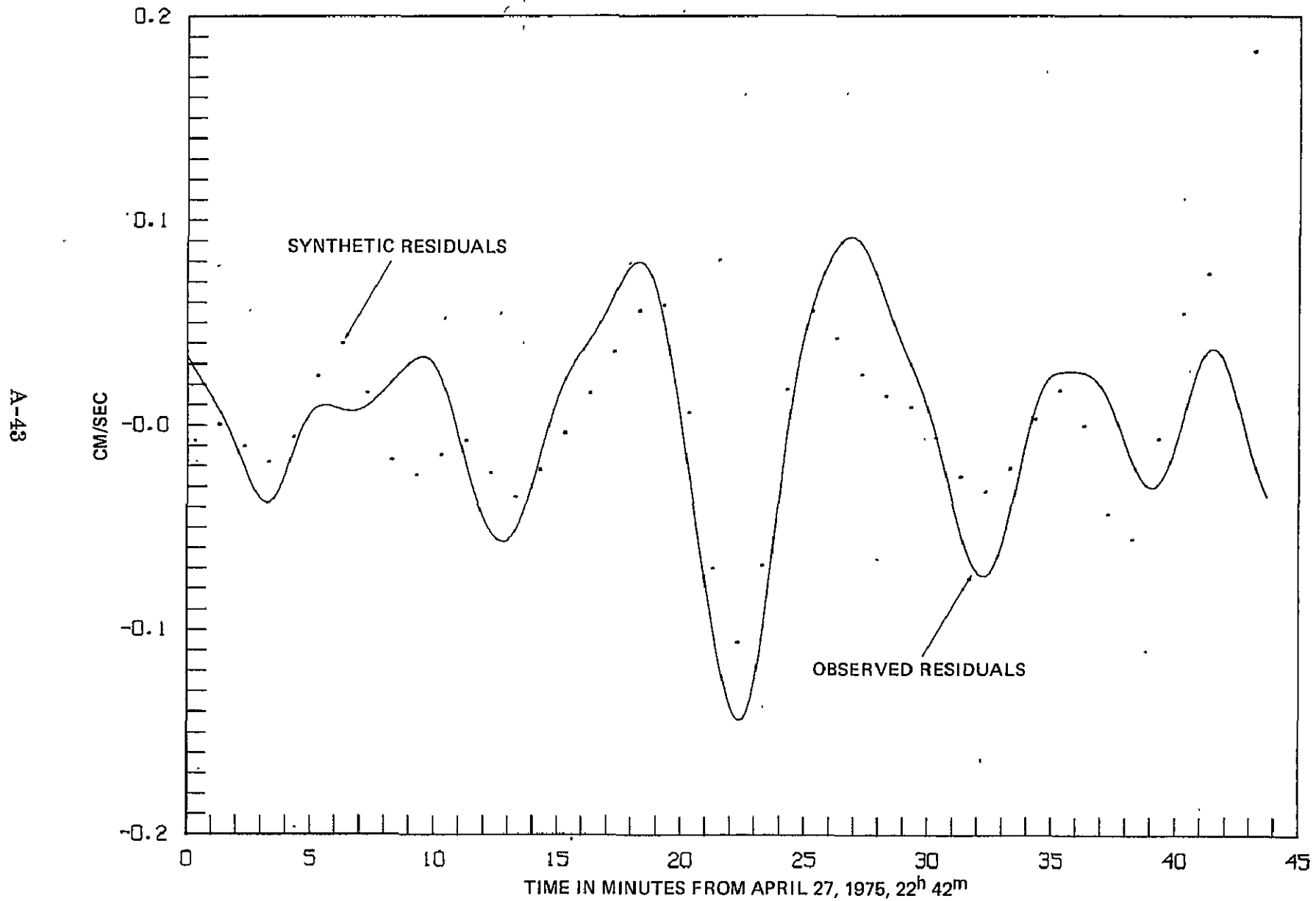
April 27, 1975, 22<sup>h</sup> 42<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 254

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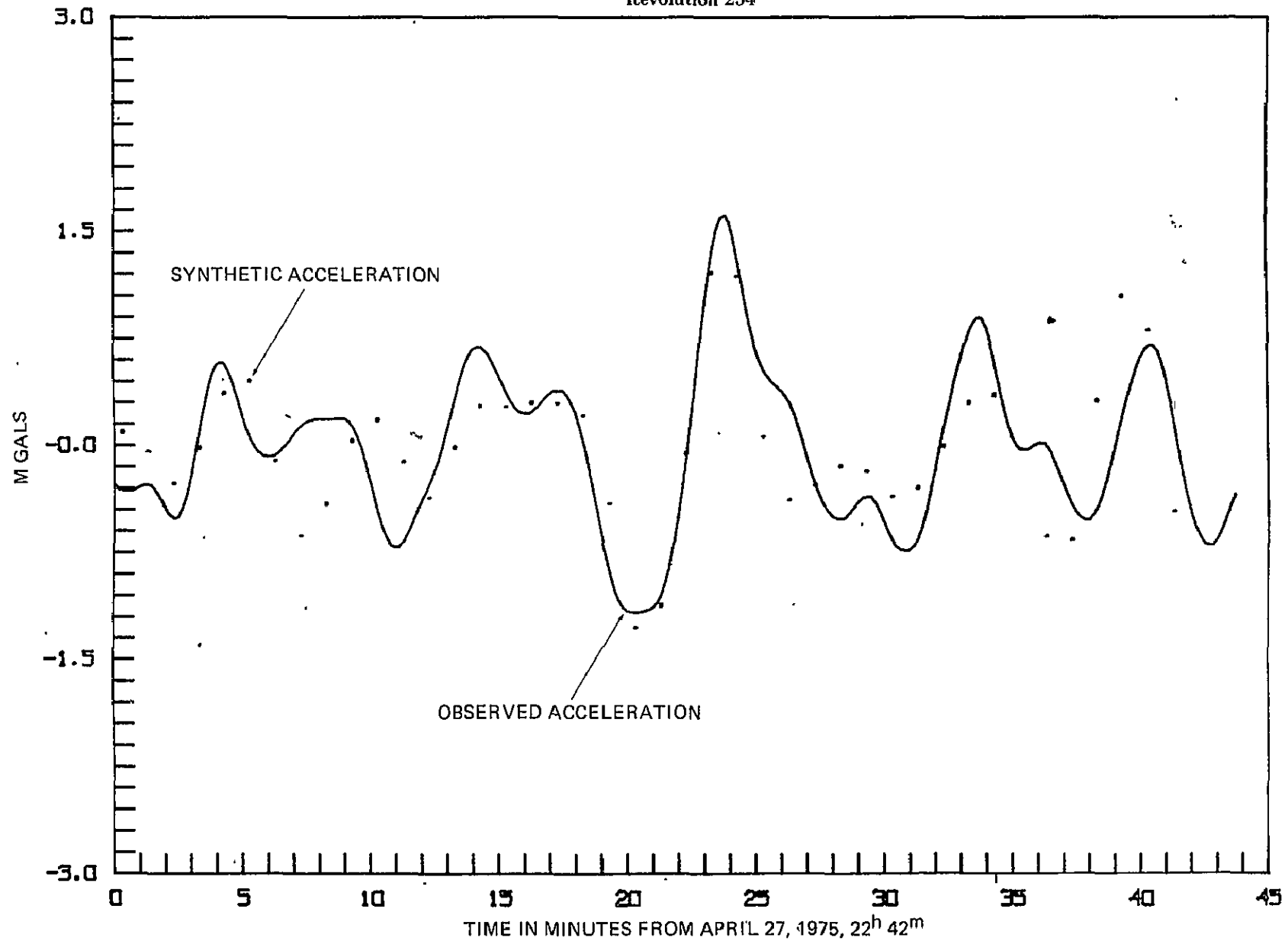


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 254



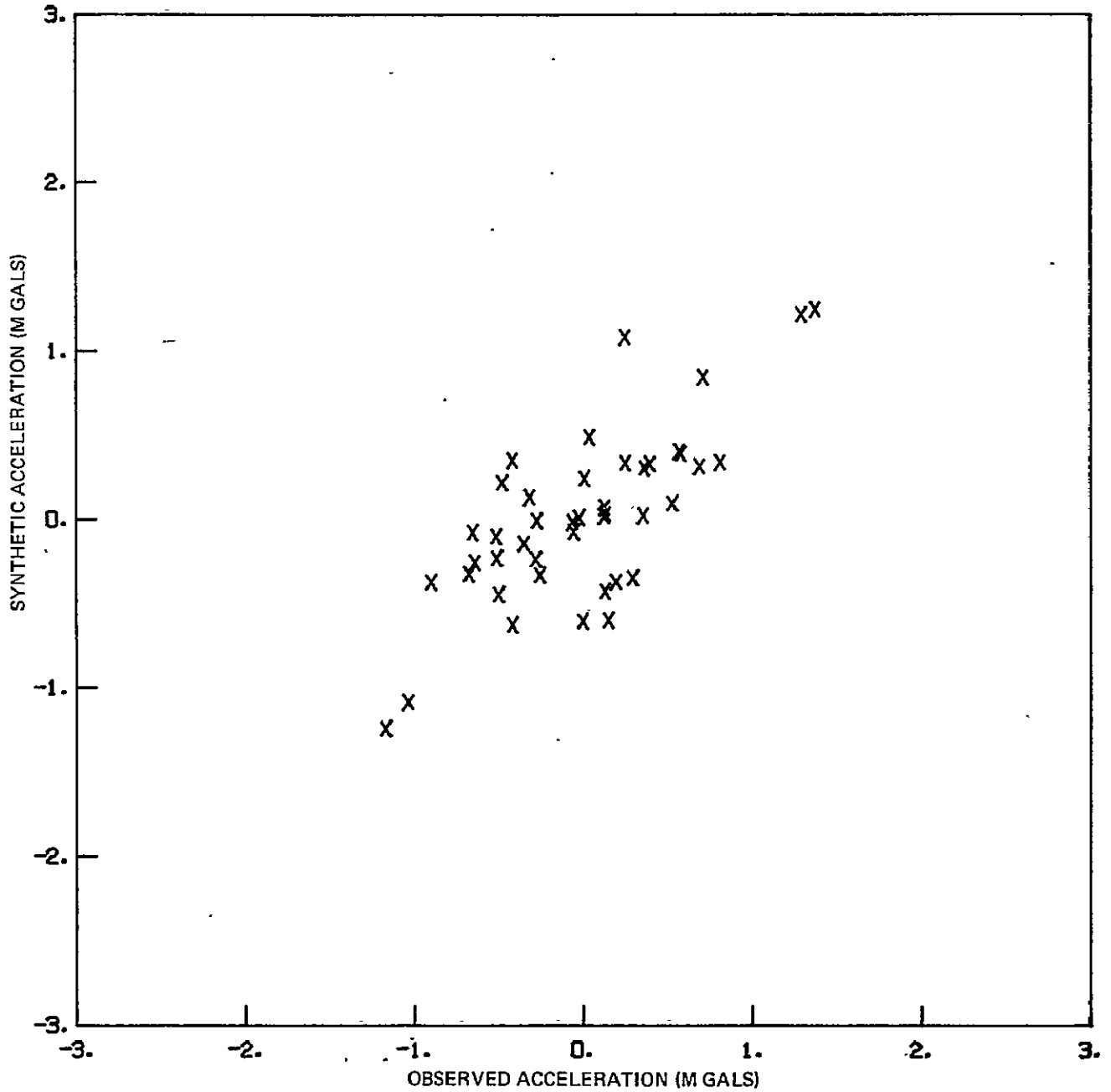
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 254

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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 254



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REVOLUTION 254

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750427	2242	4.	61.76	331.78	0.08594	0.03282		-0.27677	
750427	2242	14.	61.49	330.65	0.13560	0.02975		-0.30712	
750427	2242	24.	61.21	329.53	-0.05589	0.02654	-0.005337	-0.32259	0.129950
750427	2242	34.	60.92	328.44	-0.08394	0.02325		-0.32416	
750427	2242	44.	60.62	327.36	0.10841	0.01989		-0.31571	
750427	2242	54.	60.31	326.30	-0.00887	0.01652		-0.30073	
750427	2243	4.	60.00	325.26	-0.08619	0.01310		-0.28461	
750427	2243	14.	59.68	324.25	-0.00526	0.00957		-0.27523	
750427	2243	24.	59.35	323.23	-0.02718	0.00589	0.002460	-0.26817	-0.011522
750427	2243	34.	59.01	322.26	0.01509	0.00200		-0.30415	
750427	2243	44.	58.67	321.30	0.04555	-0.00219		-0.34688	
750427	2243	54.	58.32	320.35	0.09367	-0.00670		-0.40185	
750427	2244	4.	57.97	319.43	-0.04407	-0.01154		-0.45747	
750427	2244	14.	57.60	318.52	0.08211	-0.01667		-0.50053	
750427	2244	24.	57.24	317.62	0.05365	-0.02185	-0.008358	-0.51788	-0.234912
750427	2244	34.	56.86	316.75	-0.07210	-0.02683		-0.49819	
750427	2244	44.	56.49	315.89	-0.08639	-0.03129		-0.43594	
750427	2244	54.	56.10	315.04	-0.05037	-0.03490		-0.33262	
750427	2245	4.	55.71	314.22	-0.25190	-0.03736		-0.19593	
750427	2245	14.	55.32	313.40	-0.06828	-0.03850		-0.04850	
750427	2245	24.	54.92	312.61	-0.01127	-0.03814	-0.016181	0.11765	0.019119
750427	2245	34.	54.52	311.82	0.08515	-0.03622		0.26676	
750427	2245	44.	54.11	311.06	-0.10363	-0.03284		0.39833	
750427	2245	54.	53.70	310.30	-0.29301	-0.02836		0.50287	
750427	2246	4.	53.28	309.56	0.86617	0.62314		0.56819	
750427	2246	14.	52.86	308.84	0.07218	-0.01747		0.58730	
750427	2246	24.	52.44	308.12	0.02117	-0.01170	-0.003479	0.56261	0.402385
750427	2246	34.	52.01	307.42	-0.02853	-0.00625		0.50159	
750427	2246	44.	51.58	306.74	0.05261	-0.00143		0.41360	
750427	2246	54.	51.15	306.06	0.03419	0.00256		0.30987	
750427	2247	4.	50.71	305.40	0.08939	0.00560		0.20313	
750427	2247	14.	50.27	304.74	0.06936	0.00773		0.10556	
750427	2247	24.	49.82	304.10	0.04019	0.00901	0.026167	0.02826	0.488737
750427	2247	34.	49.37	303.47	-0.06494	0.00953		-0.02639	
750427	2247	44.	48.92	302.85	-0.04354	0.00944		-0.06009	
750427	2247	54.	48.47	302.24	-0.00559	0.00894		-0.07779	
750427	2248	4.	48.01	301.64	0.08367	0.00824		-0.08354	
750427	2248	14.	47.55	301.05	-0.02654	0.00753		-0.07879	
750427	2248	24.	47.09	300.47	0.04075	0.00692	0.042178	-0.06393	-0.074487
750427	2248	34.	46.63	299.90	0.02404	0.00653		-0.03947	
750427	2248	44.	46.16	299.34	0.04332	0.00644		0.00635	
750427	2248	54.	45.69	298.79	0.04281	0.00668		0.03281	
750427	2249	4.	45.22	298.24	-0.05183	0.00730		0.07417	
750427	2249	14.	44.75	297.71	-0.06573	0.00827		0.11295	
750427	2249	24.	44.27	297.18	0.02753	0.00955	0.017974	0.14400	-0.600439
750427	2249	34.	43.79	296.66	0.12412	0.01112		0.16507	
750427	2249	44.	43.31	296.14	-0.00698	0.01296		0.17798	
750427	2249	54.	42.83	295.64	-0.04326	0.01436		0.18535	
750427	2250	4.	42.35	295.14	0.03188	0.01444		0.18822	
750427	2250	14.	41.86	294.65	0.06987	0.01917		0.18796	
750427	2250	24.	41.37	294.16	0.09496	0.02138	-0.014757	0.18742	-0.370593
750427	2250	34.	40.88	293.69	-0.02298	0.02362		0.18928	
750427	2250	44.	40.39	293.21	-0.03018	0.02583		0.19284	
750427	2250	54.	39.90	292.75	0.01765	0.02793		0.19330	
750427	2251	4.	39.41	292.29	-0.02217	0.02985		0.18446	
750427	2251	14.	38.91	291.83	0.11817	0.03147		0.16075	
750427	2251	24.	38.41	291.39	-0.03862	0.03266	-0.022253	0.14871	0.071105
750427	2251	34.	37.91	290.94	-0.00179	0.03319		0.05613	
750427	2251	44.	37.41	290.51	0.09420	0.03289		-0.02816	
750427	2251	54.	36.91	290.07	-0.03265	0.03159		-0.13160	
750427	2252	4.	36.41	289.65	0.03891	0.02918		-0.24816	
750427	2252	14.	35.91	289.22	-0.00052	0.02558		-0.37002	
750427	2252	24.	35.40	288.81	0.17970	0.02082	-0.012163	-0.48781	0.215785
750427	2252	34.	34.89	288.39	0.05179	0.01506		-0.58990	
750427	2252	44.	34.39	287.99	0.00702	0.00847		-0.66531	
750427	2252	54.	33.88	287.58	-0.06500	0.00125		-0.70829	
750427	2253	4.	33.37	287.18	-0.04824	-0.00634		-0.71903	
750427	2253	14.	32.86	286.79	-0.01943	-0.01401		-0.70172	
750427	2253	24.	32.35	286.39	0.00174	-0.02147	-0.005189	-0.66173	-0.081045
750427	2253	34.	31.83	286.01	-0.05036	-0.02849		-0.60448	
750427	2253	44.	31.32	285.62	-0.10661	-0.03493		-0.53619	
750427	2253	54.	30.80	285.24	-0.11702	-0.04072		-0.46411	
750427	2254	4.	30.29	284.87	-0.01809	-0.04578		-0.36440	
750427	2254	14.	29.77	284.49	0.03496	-0.05003		-0.32850	
750427	2254	24.	29.25	284.12	0.02706	-0.05386	-0.021019	-0.26212	-0.334404
750427	2254	34.	28.73	283.76	-0.06701	-0.05574		-0.18834	
750427	2254	44.	28.22	283.39	-0.07224	-0.05712		-0.10206	
750427	2254	54.	27.70	283.03	-0.09901	-0.05743		-0.00205	
750427	2255	4.	27.17	282.66	-0.05621	-0.05659		0.10950	
750427	2255	14.	26.65	282.32	-0.03872	-0.05454		0.22817	
750427	2255	24.	26.13	281.97	-0.14475	-0.05126	-0.033105	0.34797	0.022865
750427	2255	34.	25.61	281.62	-0.07189	-0.04684		0.46061	
750427	2255	44.	25.08	281.28	-0.07852	-0.04139		0.55697	
750427	2255	54.	24.56	280.93	-0.02899	-0.03510		0.62971	
750427	2256	4.	24.03	280.59	-0.04969	-0.02818		0.67459	
750427	2256	14.	23.51	280.25	0.07293	-0.02088		0.69105	
750427	2256	24.	22.98	279.92	0.02254	-0.01342	-0.019595	0.68233	0.314145
750427	2256	34.	22.45	279.58	-0.10212	-0.00608		0.65344	
750427	2256	44.	21.93	279.25	0.06562	0.00000		0.60816	
750427	2256	54.	21.40	278.92	0.05181	0.00740		0.55056	
750427	2257	4.	20.87	278.59	-0.07065	0.01330		0.48590	
750427	2257	14.	20.34	278.27	-0.05150	0.01852		0.41881	
750427	2257	24.	19.81	277.94	0.09177	0.02310	-0.001417	0.35302	0.304952
750427	2257	34.	19.28	277.62	0.08344	0.02712		0.29564	
750427	2257	44.	18.75	277.30	-0.04505	0.03066		0.25288	
750427	2257	54.	18.22	276.98	0.05997	0.03381		0.22676	
750427	2258	4.	17.69	276.67	-0.00063	0.03673		0.21702	
750427	2258	14.	17.16	276.35	0.03064	0.03958		0.22210	
750427	2258	24.	16.62	276.04	0.07173	0.04249	0.018125	0.23927	0.335772

ORIGINAL PAGE IS  
OF POOR QUALITY



REVOLUTION 254

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750427	2258	34.	16.09	275.73	0.04524	0.04560		0.26592	
750427	2258	44.	15.56	275.42	0.05356	0.04897		0.29896	
750427	2258	54.	15.03	275.11	-0.02211	0.05261		0.33362	
750427	2259	4.	14.49	274.80	0.03426	0.05648		0.36422	
750427	2259	14.	13.96	274.49	0.06622	0.06052		0.38384	
750427	2259	24.	13.42	274.19	0.14229	0.06464	0.038450	0.38865	0.329541
750427	2259	34.	12.89	273.88	-0.03858	0.06870		0.37705	
750427	2259	44.	12.35	273.58	0.07345	0.07244		0.34675	
750427	2259	54.	11.82	273.28	0.06059	0.07564		0.29458	
750427	23 0	4.	11.28	272.98	0.11725	0.07809		0.21880	
750427	23 0	14.	10.75	272.68	0.02851	0.07954		0.11960	
750427	23 0	24.	10.21	272.38	0.06554	0.07674	0.058320	-0.00204	0.242302
750427	23 0	34.	9.67	272.08	0.17164	0.07851		-0.14357	
750427	23 0	44.	9.14	271.78	0.12623	0.07573		-0.22821	
750427	23 0	54.	8.60	271.48	0.01248	0.07129		-0.45997	
750427	23 1	4.	8.06	271.19	0.09291	0.06514		-0.61964	
750427	23 1	14.	7.53	270.89	0.08157	0.05735		-0.77106	
750427	23 1	24.	6.99	270.60	0.15421	0.04809	0.060893	-0.90622	-0.375221
750427	23 1	34.	6.45	270.30	0.07420	0.03757		-1.01674	
750427	23 1	44.	5.91	270.01	-0.04336	0.02602		-1.09686	
750427	23 1	54.	5.38	269.71	-0.01049	0.01365		-1.14669	
750427	23 2	4.	4.84	269.42	-0.06600	0.00070		-1.17133	
750427	23 2	14.	4.30	269.13	-0.01876	-0.01261		-1.17834	
750427	23 2	24.	3.76	268.84	-0.05057	-0.02609	0.008232	-1.17529	-1.245814
750427	23 2	34.	3.22	268.55	-0.06795	-0.03963		-1.16809	
750427	23 2	44.	2.69	268.25	-0.10150	-0.05311		-1.16012	
750427	23 2	54.	2.15	267.96	-0.06193	-0.06643		-1.15091	
750427	23 3	4.	1.61	267.67	-0.00475	-0.07940		-1.13432	
750427	23 3	14.	1.07	267.38	-0.09254	-0.09186		-1.10059	
750427	23 3	24.	0.53	267.09	-0.11657	-0.10365	-0.067989	-1.04152	-1.085603
750427	23 3	34.	-0.00	266.80	-0.16281	-0.11451		-0.95251	
750427	23 3	44.	-0.54	266.51	-0.09963	-0.12416		-0.83226	
750427	23 3	54.	-1.08	266.22	0.20597	-0.13227		-0.68138	
750427	23 4	4.	-1.62	265.93	-0.12098	-0.13852		-0.50194	
750427	23 4	14.	-2.16	265.63	-0.09531	-0.14260		-0.29657	
750427	23 4	24.	-2.70	265.34	-0.17999	-0.14423	-0.103876	-0.06776	-0.017162
750427	23 4	34.	-3.23	265.05	-0.17223	-0.14324		0.17954	
750427	23 4	44.	-3.77	264.76	-0.19943	-0.13951		0.43876	
750427	23 4	54.	-4.31	264.47	-0.13642	-0.13303		0.69847	
750427	23 5	4.	-4.85	264.17	-0.12159	-0.12385		0.94776	
750427	23 5	14.	-5.39	263.88	-0.19730	-0.11219		1.17477	
750427	23 5	24.	-5.92	263.59	-0.14742	-0.09840	-0.066143	1.36627	1.246552
750427	23 5	34.	-6.46	263.29	-0.11493	-0.08297		1.50883	
750427	23 5	44.	-7.00	263.00	-0.11430	-0.06643		1.59138	
750427	23 5	54.	-7.54	262.71	-0.08720	-0.04943		1.60692	
750427	23 6	4.	-8.07	262.41	-0.03891	-0.03258		1.55427	
750427	23 6	14.	-8.61	262.11	-0.01837	-0.01644	0.019840	1.44043	1.216737
750427	23 6	24.	-9.15	261.82	0.50512	-0.00138		1.28229	
750427	23 6	34.	-9.68	261.52	0.10618	0.01240		1.10678	
750427	23 6	44.	-10.22	261.22	0.01704	0.02461		0.93866	
750427	23 6	54.	-10.76	260.92	0.00749	0.03521		0.79249	
750427	23 7	4.	-11.29	260.62	0.05185	0.04435		0.67392	
750427	23 7	14.	-11.83	260.32	-0.04800	0.05223	0.058024	0.58368	0.094834
750427	23 7	24.	-12.36	260.02	0.05826	0.05908		0.51760	
750427	23 7	34.	-12.90	259.71	0.11426	0.06514		0.46955	
750427	23 7	44.	-13.43	259.41	0.04860	0.07055		0.43415	
750427	23 7	54.	-13.97	259.10	0.04294	0.07682		0.40522	
750427	23 8	4.	-14.50	258.80	0.05766	0.07993		0.37539	
750427	23 8	14.	-15.03	258.49	0.05725	0.08380	0.044786	0.33711	-0.348775
750427	23 8	24.	-15.57	258.18	0.06682	0.08702		0.28410	
750427	23 8	34.	-16.10	257.87	0.09533	0.08948		0.21265	
750427	23 8	44.	-16.63	257.56	0.16114	0.09106		0.12316	
750427	23 8	54.	-17.17	257.24	0.11076	0.09167		0.02027	
750427	23 9	4.	-17.70	256.93	0.16527	0.09125		-0.08828	
750427	23 9	14.	-18.23	256.61	0.08987	0.08577	0.027000	-0.15366	-0.237338
750427	23 9	24.	-18.76	256.29	0.12638	0.08727		-0.28889	
750427	23 9	34.	-19.29	255.97	0.04247	0.08384		-0.36836	
750427	23 9	44.	-19.82	255.65	0.05327	0.07950		-0.43044	
750427	23 9	54.	-20.35	255.33	0.01467	0.07469		-0.47601	
750427	23 10	4.	-20.88	255.00	0.14185	0.06932		-0.50661	
750427	23 10	14.	-21.41	254.67	0.11713	0.06372	0.016436	-0.52157	-0.103950
750427	23 10	24.	-21.94	254.34	0.05120	0.05507		-0.50233	
750427	23 10	34.	-22.46	254.01	0.08716	0.05251		-0.50156	
750427	23 10	44.	-22.99	253.68	-0.03637	0.04714		-0.44850	
750427	23 10	54.	-23.52	253.36	-0.03666	0.04201		-0.42830	
750427	23 11	4.	-24.04	253.00	0.05304	0.03710		-0.39040	
750427	23 11	14.	-24.57	252.66	-0.00672	0.03240		-0.36379	
750427	23 11	24.	-25.09	252.32	0.01495	0.02775	0.011051	-0.35578	-0.144310
750427	23 11	34.	-25.62	251.97	-0.00351	0.02298		-0.37141	
750427	23 11	44.	-26.14	251.62	-0.04122	0.01789		-0.41235	
750427	23 11	54.	-26.66	251.27	0.16975	0.01234		-0.47551	
750427	23 12	4.	-27.18	250.92	0.14474	0.00628		-0.55082	
750427	23 12	14.	-27.70	250.56	0.04580	-0.00031	-0.003700	-0.62358	-0.325607
750427	23 12	24.	-28.22	250.20	-0.07880	-0.00747		-0.68173	
750427	23 12	34.	-28.74	249.84	-0.11034	-0.01516		-0.72033	
750427	23 12	44.	-29.26	249.47	-0.08272	-0.02325		-0.74069	
750427	23 12	54.	-29.78	249.10	-0.05995	-0.03154		-0.74567	
750427	23 13	4.	-30.30	248.73	0.12193	-0.03974		-0.73535	
750427	23 13	14.	-30.81	248.35	0.01724	-0.04756		-0.70474	
750427	23 13	24.	-31.33	247.97	-0.11531	-0.05475	-0.023047	-0.64729	-0.258160
750427	23 13	34.	-31.84	247.59	-0.08105	-0.06112		-0.56076	
750427	23 13	44.	-32.35	247.20	-0.07230	-0.06642		-0.44767	
750427	23 13	54.	-32.87	246.81	-0.12160	-0.07045		-0.31364	
750427	23 14	4.	-33.38	246.41	0.12373	-0.07307		-0.16697	
750427	23 14	14.	-33.89	246.01	-0.21159	-0.07419		-0.01768	
750427	23 14	24.	-34.40	245.61	-0.01322	-0.07380	-0.030228	0.12483	0.031847
750427	23 14	34.	-34.90	245.20	-0.00575	-0.07184		0.25607	
750427	23 14	44.	-35.41	244.79	-0.05803	-0.06832		0.37793	
750427	23 14	54.	-35.91	244.37	-0.07417	-0.06333		0.49455	
750427	23 15	4.	-36.42	243.95	-0.15713	-0.05704		0.60878	
750427	23 15	14.	-36.92	243.52	-0.06900	-0.04963		0.71484	
750427	23 15	24.	-37.42	243.09	0.05084	-0.04129	0.018867	0.80463	0.339773
750427	23 15	34.	-37.92	242.65	-0.13075	-0.03229		0.86832	
750427	23 15	44.	-38.42	242.21	-0.06705	-0.02298		0.89558	
750427	23 15	54.	-38.92	241.76	-0.02955	-0.01375		0.87824	
750427	23 16	4.	-39.41	241.31	0.06240	-0.00497		0.81377	
750427	23 16	14.	-39.91	240.85	-0.00687	0.000301		0.70695	

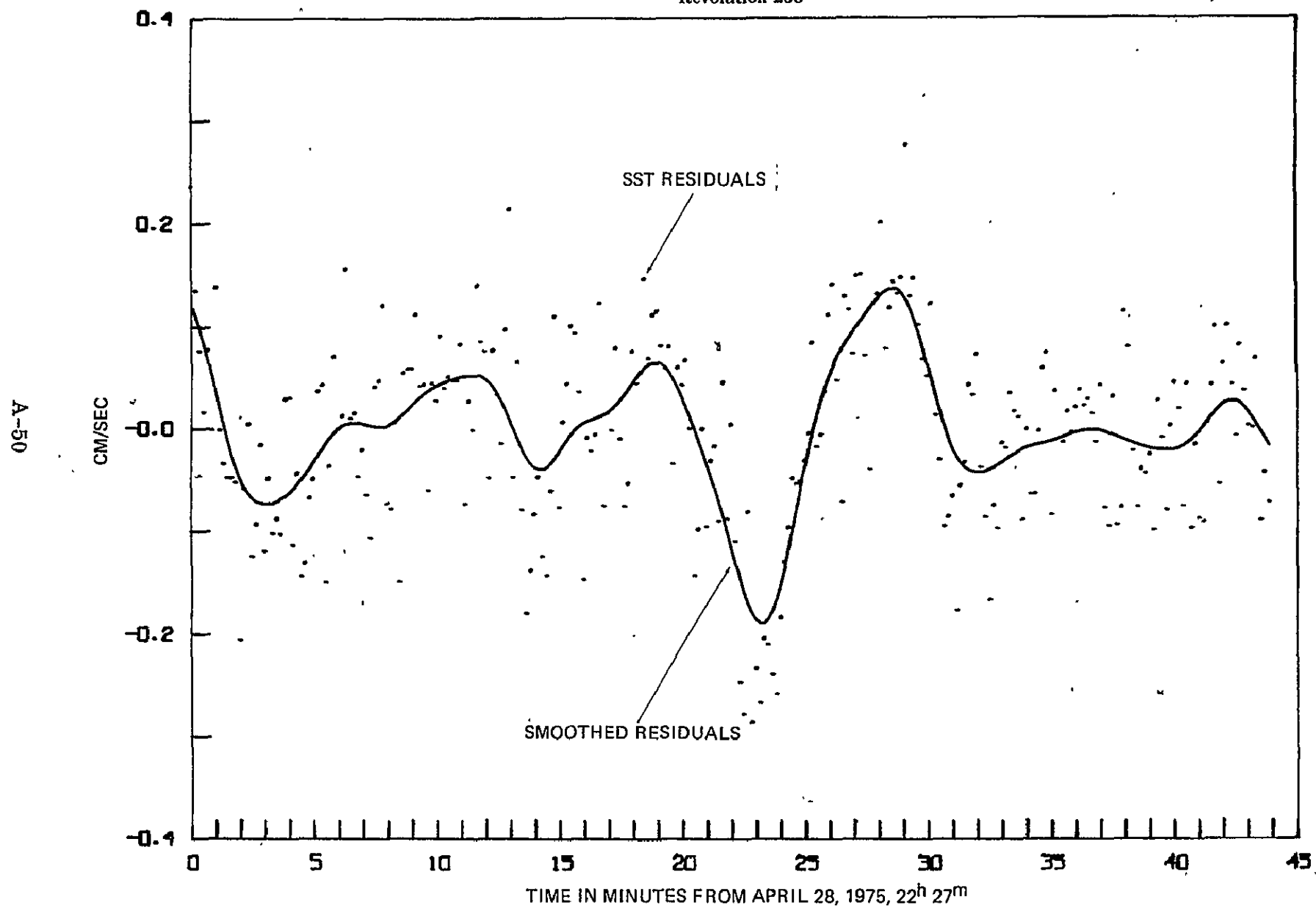
REVOLUTION 254

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750427	2316	26.	-40.40	240.38	0.13354	0.00988	0.005419	0.56905	0.391408
750427	2316	36.	-40.89	239.91	0.11879	0.01547		0.41644	
750427	2316	46.	-41.38	239.43	0.07764	0.01275		0.26846	
750427	2316	56.	-41.87	238.95	0.06058	0.02276		0.14215	
750427	2317	6.	-42.35	238.45	-0.03054	0.02466		0.04861	
750427	2317	16.	-42.84	237.96	-0.05471	0.02566		-0.00892	
750427	2317	26.	-43.32	237.45	0.04157	0.02606	0.019437	-0.03416	0.009791
750427	2317	36.	-43.80	236.94	0.02024	0.02613		-0.01421	
750427	2317	46.	-44.28	236.42	-0.00322	0.02608		-0.01788	
750427	2317	56.	-44.75	235.89	-0.07939	0.02599		0.00396	
750427	2318	6.	-45.22	235.35	0.02640	0.02563		0.01898	
750427	2318	16.	-45.70	234.81	-0.05131	0.02557		0.01652	
750427	2318	26.	-46.16	234.25	0.09388	0.02505	0.001912	-0.00973	-0.605924
750427	2318	36.	-46.63	233.69	0.11985	0.02417		-0.05991	
750427	2318	46.	-47.10	233.12	0.05586	0.02278		-0.12782	
750427	2318	56.	-47.56	232.54	0.04445	0.02073		-0.20502	
750427	2319	6.	-48.02	231.95	-0.04339	0.01793		-0.28395	
750427	2319	16.	-48.47	231.35	0.06302	0.01434		-0.35906	
750427	2319	26.	-48.93	230.74	0.00783	0.01064	0.041408	-0.42552	0.628344
750427	2319	36.	-49.38	230.12	0.02234	0.00515		-0.47845	
750427	2319	46.	-49.82	229.49	-0.03922	-0.00017		-0.51356	
750427	2319	56.	-50.27	228.85	0.06995	-0.00572		-0.52879	
750427	2320	6.	-50.71	228.20	-0.06216	-0.01125		-0.52011	
750427	2320	16.	-51.15	227.54	0.04093	-0.01651		-0.48607	
750427	2320	26.	-51.58	226.86	-0.03503	-0.02124	-0.053487	-0.42650	0.349350
750427	2320	36.	-52.01	226.18	-0.13280	-0.02523		-0.34334	
750427	2320	46.	-52.44	225.48	0.02043	-0.02827		-0.24166	
750427	2320	56.	-52.86	224.76	-0.01261	-0.03017		-0.12701	
750427	2321	6.	-53.28	224.04	-0.14156	-0.03082		-0.00444	
750427	2321	16.	-53.70	223.30	0.00206	-0.03019		0.11984	
750427	2321	26.	-54.11	222.55	-0.04912	-0.02824	-0.004349	0.24014	1.083892
750427	2321	36.	-54.52	221.78	0.03720	-0.02499		0.35254	
750427	2321	46.	-54.92	221.00	-0.01755	-0.02053		0.45619	
750427	2321	56.	-55.32	220.20	-0.05056	-0.01502		0.54772	
750427	2322	6.	-55.71	219.39	-0.06284	-0.00865		0.62328	
750427	2322	16.	-56.10	218.56	0.02257	-0.00167		0.67652	
750427	2322	26.	-56.48	217.72	-0.00950	0.00566	0.057078	0.70302	0.843326
750427	2322	36.	-56.86	216.86	0.01164	0.01301		0.69680	
750427	2322	46.	-57.23	215.99	-0.08278	0.01998		0.65396	
750427	2322	56.	-57.60	215.09	0.02598	0.02617		0.57111	
750427	2323	6.	-57.96	214.19	0.07238	0.03125		0.44860	
750427	2323	16.	-58.32	213.26	0.15184	0.03455		0.29351	
750427	2323	26.	-58.66	212.32	0.11960	0.03709	0.076235	0.11900	0.428902
750427	2323	36.	-59.01	211.35	0.08854	0.03752		-0.05868	
750427	2323	46.	-59.34	210.37	0.01514	0.03622		-0.22562	
750427	2323	56.	-59.67	209.37	0.03131	0.03323		-0.37215	
750427	2324	6.	-59.99	208.36	-0.03766	0.02877		-0.49340	
750427	2324	16.	-60.30	207.32	0.03153	0.02304		-0.58791	
750427	2324	26.	-60.61	206.27	0.00772	0.01637		-0.65547	
750427	2324	36.	-60.91	205.19	0.04114	0.00911		-0.65558	
750427	2324	46.	-61.20	204.10	0.02892	0.00159		-0.70761	
750427	2324	56.	-61.48	202.98	0.02612	-0.00587		-0.69162	
750427	2325	6.	-61.76	201.85	-0.06723	-0.01304		-0.64947	
750427	2325	16.	-62.02	200.70	-0.09980	-0.01973		-0.58559	
750427	2325	26.	-62.28	199.53	0.01559	-0.02576		-0.50709	
750427	2325	36.	-62.52	198.34	-0.11081	-0.03099		-0.42171	
750427	2325	46.	-62.76	197.13	-0.00098	-0.03541		-0.33597	

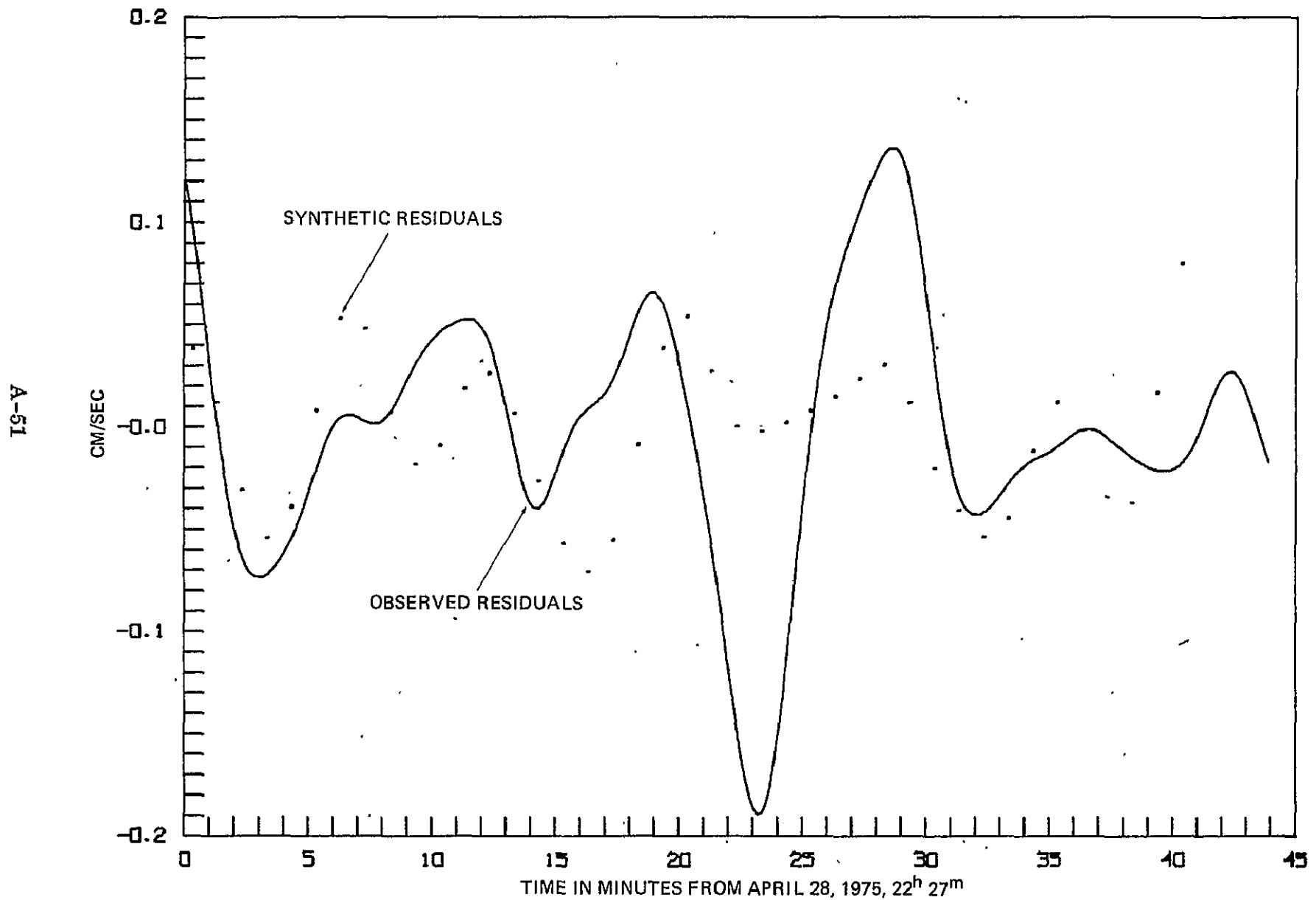
GEOS-3 Revolution No. 268

April 28, 1975, 22<sup>h</sup> 27<sup>m</sup>

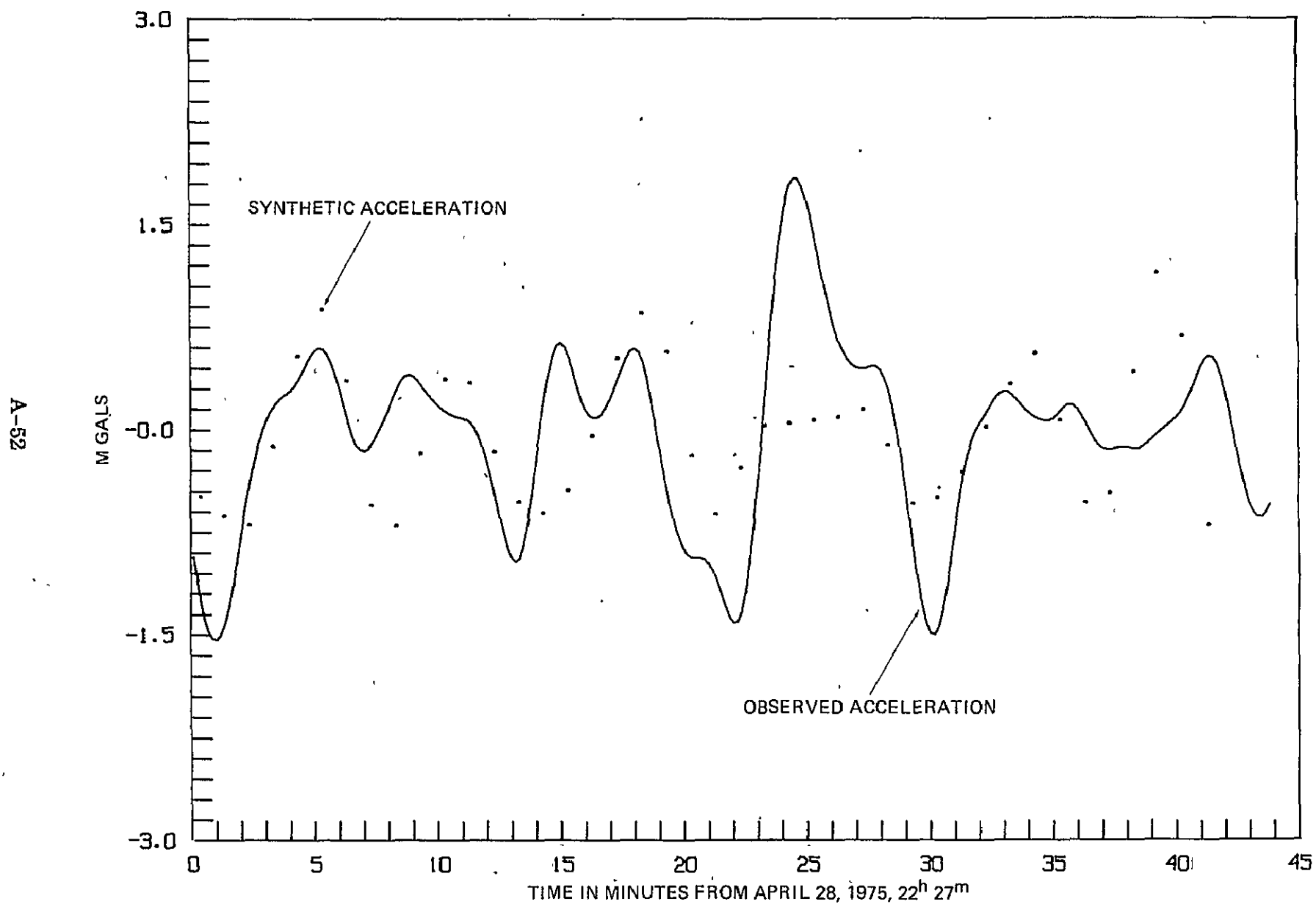
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 268



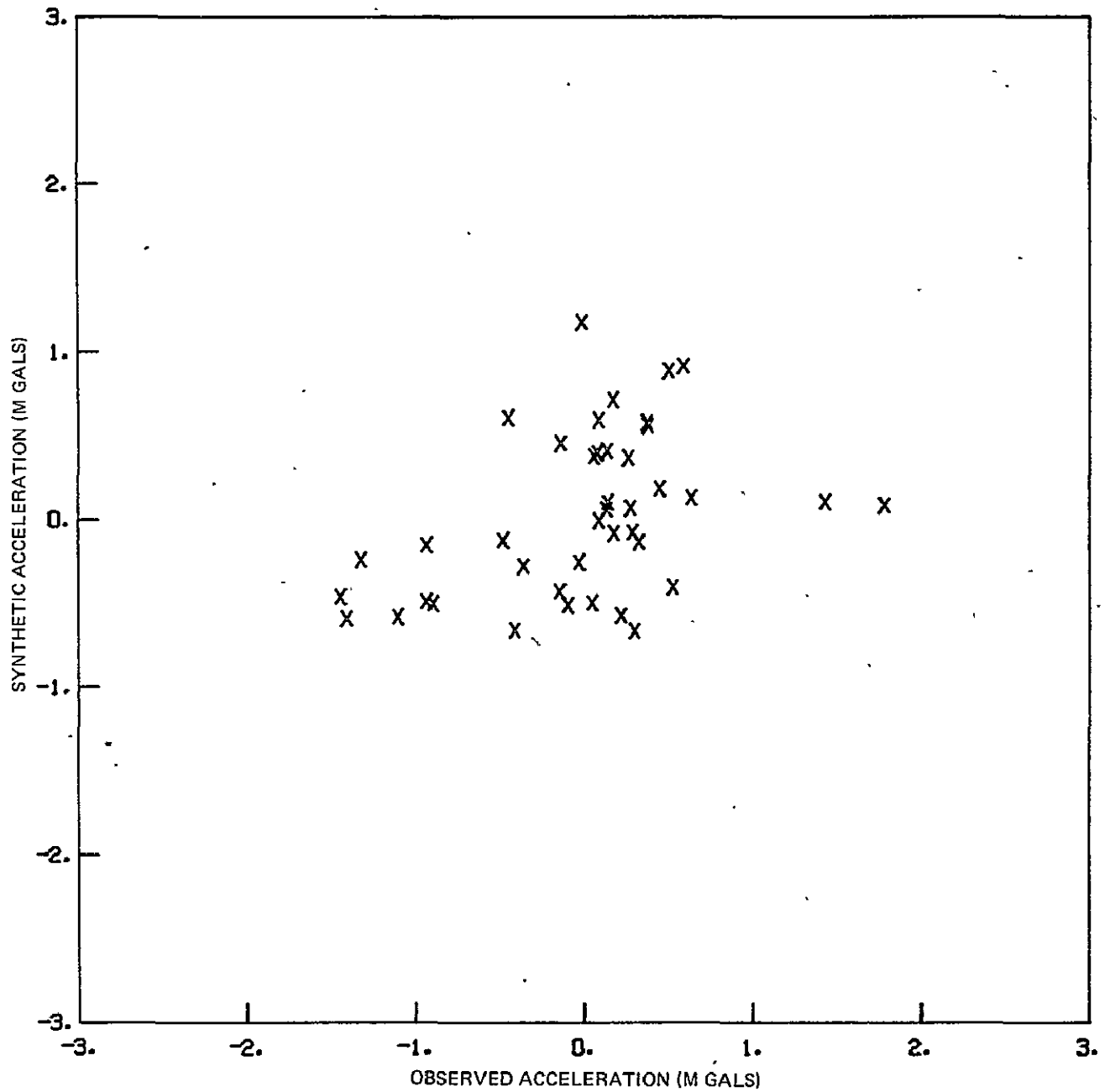
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 268



GEOS-3/ATS-6 SST Range Rate Residuals  
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Revolution 268



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 268



REVOLUTION 268

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750428	2227	44.	60.60	332.79	0.24094	0.11901		-0.92577	
750428	2227	54.	60.30	331.73	0.13894	0.10772		-1.10489	
750428	2228	4.	59.98	330.69	0.08096	0.05490	0.040904	-1.26261	-0.448550
750428	2228	14.	59.66	329.68	0.02030	0.03007		-1.39049	
750428	2228	24.	59.33	328.68	0.08223	0.06525		-1.48253	
750428	2228	34.	59.00	327.70	0.00358	0.04855		-1.53366	
750428	2228	44.	58.65	326.73	0.14329	0.03221		-1.54025	
750428	2228	54.	58.30	325.79	0.00321	0.01556		-1.50007	
750428	2229	4.	57.95	324.86	0.02952	0.00052	0.013991	-1.41417	-0.592553
750428	2229	14.	57.59	323.95	-0.04326	-0.01556		-1.28804	
750428	2229	24.	57.22	323.06	-0.04302	-0.02917		-1.13058	
750428	2229	34.	56.85	322.18	-0.04792	-0.04104		-0.95296	
750428	2229	44.	56.47	321.32	-0.20081	-0.05102		-0.76583	
750428	2229	54.	56.09	320.48	-0.05263	-0.05910		-0.58298	
750428	2230	4.	55.70	319.65	0.05985	-0.05327	-0.028700	-0.41414	-0.661434
750428	2230	14.	55.30	318.84	-0.12032	-0.05965		-0.24423	
750428	2230	24.	54.90	318.05	-0.05848	-0.07246		-0.13557	
750428	2230	34.	54.50	317.27	-0.01055	-0.07390		-0.02917	
750428	2230	44.	54.09	316.50	-0.11544	-0.07418		0.05632	
750428	2230	54.	53.68	315.73	-0.04313	-0.07353		0.12324	
750428	2231	4.	53.27	315.01	-0.09790	-0.07213	-0.052423	0.17412	-0.082404
750428	2231	14.	52.85	314.28	-0.08307	-0.07015		0.21192	
750428	2231	24.	52.42	313.57	-0.09842	-0.06771		0.23984	
750428	2231	34.	51.99	312.87	0.03454	-0.06485		0.26251	
750428	2231	44.	51.56	312.18	0.03524	-0.06153		0.28707	
750428	2231	54.	51.13	311.51	-0.10937	-0.05773		0.32129	
750428	2232	4.	50.69	310.84	-0.03867	-0.05344	-0.036956	0.36863	0.578250
750428	2232	14.	50.26	310.19	-0.13932	-0.04866		0.42677	
750428	2232	24.	49.80	309.55	-0.12579	-0.04340		0.48829	
750428	2232	34.	49.35	308.92	-0.06205	-0.03770		0.54265	
750428	2232	44.	48.90	308.30	-0.04394	-0.03165		0.58019	
750428	2232	54.	48.45	307.69	-0.04209	-0.02539		0.59480	
750428	2233	4.	47.99	307.09	-0.04842	-0.01911	0.010491	0.58453	0.915100
750428	2233	14.	47.53	306.50	-0.14536	-0.01308		0.54977	
750428	2233	24.	47.07	305.92	-0.03096	-0.00762		0.48998	
750428	2233	34.	46.61	305.35	0.07607	-0.00295		0.40534	
750428	2233	44.	46.14	304.79	0.00410	0.00079		0.30083	
750428	2233	54.	45.67	304.24	0.01784	0.00349		0.18542	
750428	2234	4.	45.20	303.69	0.16109	0.00512	0.055734	0.07050	0.395848
750428	2234	14.	44.73	303.16	0.01458	0.00562		-0.03038	
750428	2234	24.	44.25	302.63	0.02041	0.00570		-0.10536	
750428	2234	34.	43.77	302.11	-0.04212	0.00497		-0.14805	
750428	2234	44.	43.29	301.60	-0.01521	0.00389		-0.15798	
750428	2234	54.	42.81	301.09	-0.06027	0.00272		-0.13957	
750428	2235	4.	42.33	300.59	-0.10225	0.00170	0.050169	-0.10036	-0.814593
750428	2235	14.	41.84	300.10	0.04641	0.00103		-0.04879	
750428	2235	24.	41.35	299.62	0.05224	0.00054		0.00985	
750428	2235	34.	40.86	299.14	0.12601	0.00157		0.07471	
750428	2235	44.	40.37	298.67	-0.06869	0.00300		0.14649	
750428	2235	54.	39.88	298.20	-0.07411	0.00516		0.22256	
750428	2236	4.	39.39	297.74	0.01142	0.00799	0.009117	0.29528	-0.668321
750428	2236	14.	38.89	297.29	0.14501	0.01137		0.35532	
750428	2236	24.	38.39	296.84	0.06019	0.01515		0.39373	
750428	2236	34.	37.89	296.40	0.06389	0.01919		0.40565	
750428	2236	44.	37.39	295.96	0.06419	0.02333		0.39298	
750428	2236	54.	36.89	295.53	0.11703	0.02741		0.36228	
750428	2237	4.	36.39	295.10	0.04641	0.03127	-0.016281	0.32242	-0.139516
750428	2237	14.	35.89	294.68	0.04836	0.03480		0.28137	
750428	2237	24.	35.38	294.26	-0.05606	0.03794		0.24368	
750428	2237	34.	34.87	293.85	0.05084	0.04065		0.21084	
750428	2237	44.	34.37	293.44	0.03157	0.04297		0.17955	
750428	2237	54.	33.86	293.04	0.09621	0.04497		0.15216	
750428	2238	4.	33.35	292.64	0.04455	0.04671	-0.006858	0.12891	0.408037
750428	2238	14.	32.84	292.24	0.05612	0.04822		0.11094	
750428	2238	24.	32.32	291.85	0.05171	0.04954		0.09831	
750428	2238	34.	31.81	291.47	0.05183	0.05070		0.08980	
750428	2238	44.	31.30	291.08	0.08795	0.05168		0.08264	
750428	2238	54.	30.78	290.70	-0.06924	0.06244		0.07223	
750428	2239	4.	30.27	290.33	0.03215	0.05282	0.021207	0.05130	0.376863
750428	2239	14.	29.75	289.95	0.00306	0.05271		0.01195	
750428	2239	24.	29.23	289.58	0.14461	0.05196		-0.05060	
750428	2239	34.	28.71	289.22	0.08987	0.05041		-0.13612	
750428	2239	44.	28.19	288.85	0.08049	0.04786		-0.24042	
750428	2239	54.	27.67	288.49	-0.04378	0.04414		-0.35850	
750428	2240	4.	27.15	288.14	0.08293	0.03909	0.028936	-0.48602	-0.125794
750428	2240	14.	26.63	287.78	0.03782	0.03469		-0.61747	
750428	2240	24.	26.11	287.43	-0.01017	0.02501		-0.74447	
750428	2240	34.	25.59	287.08	0.10281	0.01623		-0.85604	
750428	2240	44.	25.06	286.74	0.21891	0.00671		-0.93726	
750428	2240	54.	24.54	286.39	-0.04300	-0.00309		-0.97026	
750428	2241	4.	24.01	286.05	-0.01702	-0.01270	0.008842	-0.94118	-0.491938
750428	2241	14.	23.49	285.71	-0.07487	-0.02155		-0.84464	
750428	2241	24.	22.96	285.38	-0.17527	-0.02915		-0.68512	
750428	2241	34.	22.43	285.04	-0.13324	-0.03506		-0.47779	
750428	2241	44.	21.91	284.71	-0.07872	-0.03890		-0.24405	
750428	2241	54.	21.38	284.38	-0.04225	-0.04050		-0.00613	
750428	2242	4.	20.85	284.06	-0.12048	-0.03986	-0.024431	0.21551	-0.574799
750428	2242	14.	20.32	283.73	-0.13888	-0.03724		0.40221	
750428	2242	24.	19.79	283.41	-0.05577	-0.03305		0.53630	

ORIGINAL PAGE IS  
OF POOR QUALITY



REVOLUTION 268

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750428	2242	34.	19.26	283.08	0.11542	-0.02771		0.61498	
750428	2242	44.	18.73	282.76	-0.07251	-0.02172		0.63287	
750428	2242	54.	18.20	282.45	0.01186	-0.01563		0.59886	
750428	2243	4.	17.67	282.13	0.04946	-0.00988	-0.055683	0.52387	-0.405113
750428	2243	14.	17.14	281.81	0.10553	-0.00475		0.42352	
750428	2243	24.	16.60	281.50	0.09824	-0.00040		0.31652	
750428	2243	34.	16.07	281.19	0.04055	0.00313		0.22080	
750428	2243	44.	15.54	280.88	-0.14306	0.00986		0.14860	
750428	2243	54.	15.00	280.57	-0.20367	0.00791		0.10362	
750428	2244	4.	14.47	280.26	-0.01715	0.00954	-0.068643	0.08421	-0.006691
750428	2244	14.	13.94	279.95	-0.00067	0.01102		0.08779	
750428	2244	24.	13.40	279.65	0.12768	0.01263		0.11223	
750428	2244	34.	12.87	279.34	0.07101	0.01461		0.15657	
750428	2244	44.	12.33	279.04	0.02080	0.01712		0.21834	
750428	2244	55.	11.80	278.74	0.00297	0.02029		0.29256	
750428	2245	5.	11.26	278.44	0.08452	0.02423	-0.052861	0.37344	0.558163
750428	2245	15.	10.73	278.14	-0.00547	0.02894		0.45433	
750428	2245	25.	10.19	277.84	-0.07132	0.03429		0.52619	
750428	2245	35.	9.65	277.54	-0.04842	0.04066		0.57659	
750428	2245	45.	9.12	277.24	0.08116	0.04596		0.59287	
750428	2245	55.	8.58	276.95	0.04896	0.05170	-0.006378	0.56686	0.887286
750428	2246	5.	8.04	276.65	0.06039	0.05688		0.49618	
750428	2246	15.	7.51	276.35	-0.15067	0.06111		0.38356	
750428	2246	25.	6.97	276.06	0.07379	0.06467		0.26682	
750428	2246	35.	6.43	275.76	0.11692	0.06545		0.06721	
750428	2246	45.	5.89	275.47	0.11974	0.06309		-0.11308	
750428	2246	55.	5.36	275.18	0.03870	0.06283		-0.29741	
750428	2247	5.	4.82	274.88	0.06389	0.05998	0.041394	-0.45685	0.605440
750428	2247	15.	4.28	274.59	-0.08592	0.05337		-0.60151	
750428	2247	25.	3.74	274.30	-0.03002	0.04630		-0.72023	
750428	2247	35.	3.21	274.01	0.06551	0.03801		-0.81293	
750428	2247	45.	2.67	273.72	0.04749	0.02977		-0.89912	
750428	2247	55.	2.13	273.43	0.07240	0.01888		-0.92043	
750428	2248	5.	1.59	273.13	0.00470	0.00853	0.056724	-0.93977	-0.153948
750428	2248	15.	1.05	272.84	-0.13946	-0.00215		-0.94375	
750428	2248	25.	0.51	272.55	-0.09362	-0.01316		-0.94402	
750428	2248	35.	-0.02	272.26	-0.00475	-0.02450		-0.95390	
750428	2248	45.	-0.56	271.97	-0.09178	-0.03621		-0.98310	
750428	2248	55.	-1.10	271.68	-0.02631	-0.04846		-1.03621	
750428	2249	5.	-1.64	271.39	-0.01223	-0.06134	0.029535	-1.11210	-0.582595
750428	2249	15.	-2.18	271.10	-0.08587	-0.07456		-1.20304	
750428	2249	25.	-2.71	270.81	0.05066	-0.08931		-1.29599	
750428	2249	35.	-3.25	270.51	-0.08399	-0.10420		-1.37331	
750428	2249	45.	-3.79	270.22	-0.00921	-0.11938		-1.41551	
750428	2249	55.	-4.33	269.93	-0.10595	-0.13638		-1.46096	
750428	2250	5.	-4.87	269.64	-0.24228	-0.14672	0.002238	-1.32953	-0.239969
750428	2250	15.	-5.40	269.34	-0.27342	-0.16182		-1.18635	
750428	2250	25.	-5.94	269.05	-0.27692	-0.17306		-0.98017	
750428	2250	35.	-6.48	268.76	-0.28142	-0.18178		-0.71875	
750428	2250	45.	-7.02	268.46	-0.22806	-0.18751		-0.41292	
750428	2250	55.	-7.55	268.17	-0.26229	-0.19387		-0.07746	
750428	2251	5.	-8.09	267.87	-0.19841	-0.18864	0.000023	0.27122	0.066873
750428	2251	15.	-8.63	267.58	-0.20479	-0.18374		0.61665	
750428	2251	25.	-9.17	267.28	-0.23421	-0.17530		0.94325	
750428	2251	35.	-9.70	266.98	-0.25366	-0.16361		1.23534	
750428	2251	45.	-10.24	266.68	-0.17842	-0.14911		1.47846	
750428	2251	55.	-10.77	266.38	-0.12508	-0.13232		1.66176	
750428	2252	5.	-11.31	266.08	-0.09165	-0.11382	0.004448	1.78040	0.082977
750428	2252	15.	-11.85	265.78	-0.04330	-0.09424		1.83545	
750428	2252	25.	-12.38	265.48	-0.04908	-0.07418		1.83277	
750428	2252	35.	-12.92	265.18	-0.04659	-0.05423		1.78093	
750428	2252	45.	-13.45	264.87	-0.02602	-0.03489		1.68939	
750428	2252	55.	-13.98	264.57	0.00048	-0.01657		1.56798	
750428	2253	5.	-14.52	264.26	0.08916	0.00046	0.010103	1.42665	0.105218
750428	2253	15.	-15.05	263.95	-0.01338	0.01603		1.27676	
750428	2253	25.	-15.59	263.64	-0.00067	0.03001		1.12599	
750428	2253	35.	-16.12	263.33	0.04172	0.04239		0.98055	
750428	2253	45.	-16.65	263.02	0.11662	0.05327		0.84570	
750428	2253	55.	-17.18	262.71	0.14523	0.06282		0.72746	
750428	2254	5.	-17.72	262.39	0.05162	0.07122	0.017114	0.63138	0.129451
750428	2254	15.	-18.25	262.07	-0.06730	0.07863		0.55914	
750428	2254	25.	-18.78	261.75	0.13378	0.08521		0.50743	
750428	2254	35.	-19.31	261.43	0.12079	0.09122		0.47220	
750428	2254	45.	-19.84	261.11	0.07777	0.09667		0.45131	
750428	2254	55.	-20.37	260.79	0.15415	0.10230		0.44292	
750428	2255	5.	-20.90	260.46	0.15500	0.10765	0.026231	0.44491	0.183379
750428	2255	15.	-21.43	260.14	0.07598	0.11295		0.45385	
750428	2255	25.	-21.95	259.81	-0.03559	0.11813		0.46233	
750428	2255	35.	-22.48	259.47	0.12737	0.12305		0.45866	
750428	2255	45.	-23.01	259.14	0.13607	0.12759		0.43148	
750428	2255	55.	-23.54	258.80	0.20570	0.13153	0.032931	0.37358	-0.078283
750428	2256	5.	-24.06	258.46	0.08277	0.13455		0.28156	
750428	2256	15.	-24.59	258.12	0.12338	0.13826		0.15374	
750428	2256	25.	-25.11	257.78	0.14807	0.13631		-0.01017	
750428	2256	35.	-25.63	257.43	0.13564	0.13438		-0.20714	
750428	2256	45.	-26.16	257.08	0.15184	0.13023		-0.42999	
750428	2256	55.	-26.68	256.73	0.28072	0.12373	0.013762	-0.66692	-0.504152
750428	2257	5.	-27.20	256.38	0.13342	0.11491		-0.90132	
750428	2257	15.	-27.72	256.02	0.15125	0.10386		-1.11533	
750428	2257	25.	-28.24	255.66	0.10574	0.09085		-1.29336	
750428	2257	35.	-28.76	255.30	0.07256	0.07630		-1.42300	
750428	2257	45.	-29.28	254.93	0.05609	0.06072		-1.49570	
750428	2257	55.	-29.80	254.56	0.12704	0.08474		-1.50642	
750428	2258	5.	-30.31	254.19	0.01715	0.02900	-0.018196	-1.45314	-0.461457
750428	2258	15.	-30.83	253.81	-0.02616	0.01410		-1.33882	
750428	2258	25.	-31.34	253.43	-0.09150	0.00051		-1.17344	

REVOLUTION 268

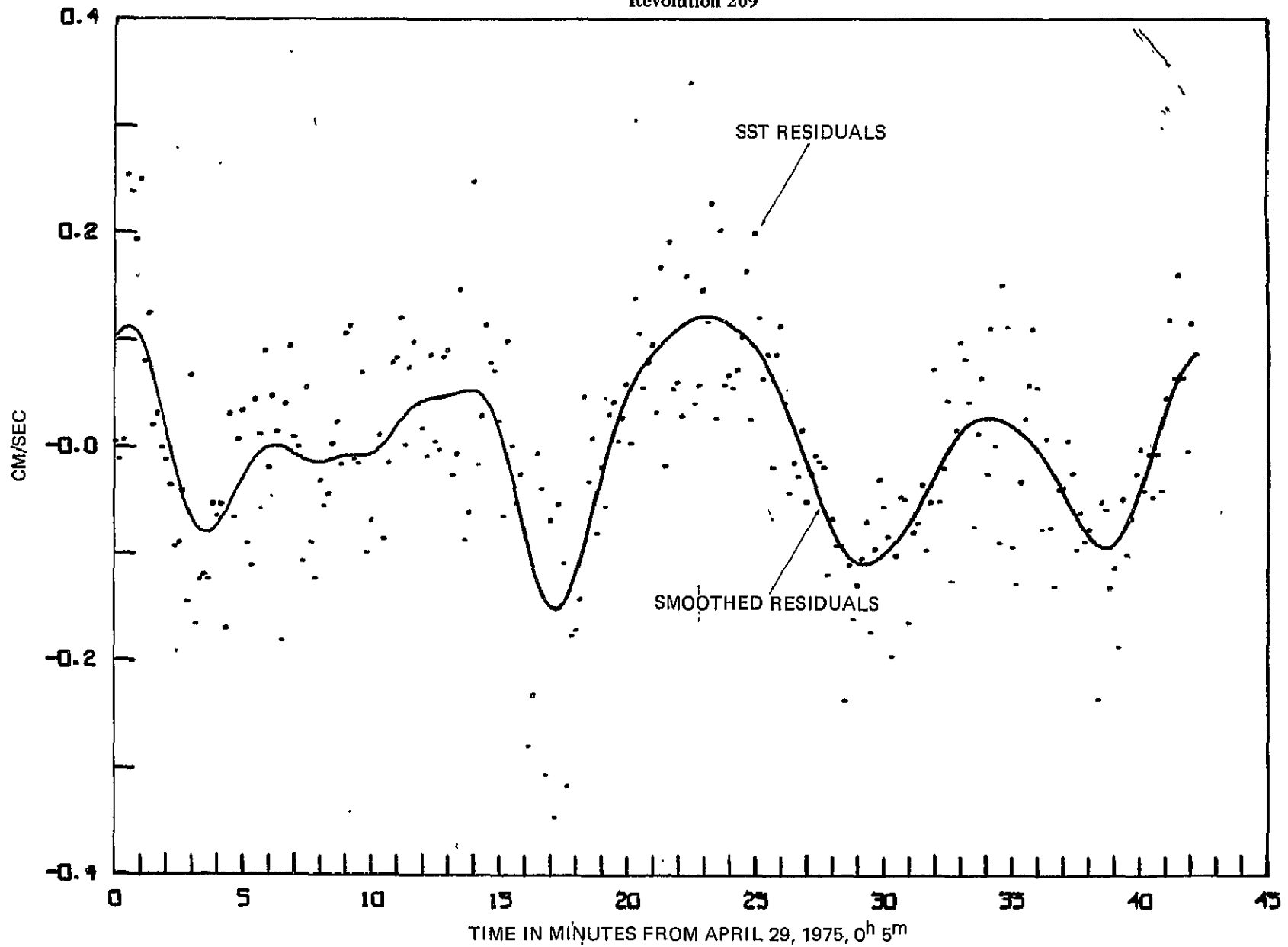
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
50428	2258	36.	-31.86	253.05	-0.08153	-0.01137		-0.97327	
50428	2258	46.	-32.37	252.66	-0.06117	-0.02129		-0.75812	
50428	2258	56.	-32.88	252.27	-0.17288	-0.02919		-0.34810	
50428	2259	6.	-33.39	251.87	-0.05072	-0.03515	-0.032814	-0.36144	-0.278819
50428	2259	16.	-33.90	251.47	-0.02823	-0.03933		-0.21063	
50428	2259	26.	-34.41	251.07	0.04780	-0.04195		-0.09891	
50428	2259	36.	-34.92	250.66	0.03720	-0.04327		-0.02063	
50428	2259	46.	-35.43	250.26	0.07817	-0.04352		-0.03593	
50428	2259	56.	-35.93	249.83	-0.03370	-0.04290	-0.051796	0.08358	
50428	23 0	6.	-36.44	249.41	-0.08241	-0.04160		0.13139	0.057796
50428	23 0	16.	-36.94	248.98	-0.16239	-0.03980		0.18078	
50428	23 0	26.	-37.44	248.55	-0.06984	-0.03761		0.22655	
50428	23 0	36.	-37.94	248.11	-0.09336	-0.03511		0.26097	
50428	23 0	46.	-38.44	247.67	-0.00925	-0.03242		0.27784	
50428	23 0	56.	-38.93	247.22	-0.01443	-0.02965		0.27481	
50428	23 1	6.	-39.43	246.76	-0.03074	-0.02662	-0.042202	0.25417	0.367701
50428	23 1	16.	-39.92	246.30	0.02160	-0.02434		0.22190	
50428	23 1	26.	-40.42	245.84	0.01548	-0.02199		0.18553	
50428	23 1	36.	-40.91	245.36	-0.08520	-0.01995		0.15132	
50428	23 1	46.	-41.40	244.89	0.00447	-0.01823		0.12231	
50428	23 1	56.	-41.88	244.40	-0.05998	-0.01682		0.09913	
50428	23 2	6.	-42.37	243.91	-0.05902	-0.01567	-0.009387	0.08124	0.591845
50428	23 2	16.	-42.85	243.41	0.00297	-0.01471		0.06780	
50428	23 2	26.	-43.33	242.90	0.06422	-0.01381		0.05991	
50428	23 2	36.	-43.81	242.39	0.07935	-0.01285		0.06131	
50428	23 2	46.	-44.29	241.87	-0.08002	-0.01175		0.07578	
50428	23 2	56.	-44.77	241.34	0.04194	-0.01049		0.10282	
50428	23 3	6.	-45.24	240.81	-0.24755	-0.00906	0.014493	0.13650	0.099665
50428	23 3	16.	-45.71	240.26	-0.00832	-0.00754		0.16598	
50428	23 3	26.	-46.18	239.71	0.02169	-0.00596		0.18014	
50428	23 3	36.	-46.65	239.14	0.00105	-0.00439		0.17342	
50428	23 3	46.	-47.11	238.57	0.02568	-0.00299		0.14533	
50428	23 3	56.	-47.57	237.99	0.04330	-0.00150		0.09945	
50428	23 4	6.	-48.03	237.40	0.02671	-0.00124	0.000418	0.04254	-0.500255
50428	23 4	16.	-48.49	236.80	0.03388	-0.00166		0.01715	
50428	23 4	26.	-48.94	236.19	0.01911	-0.00138		-0.07158	
50428	23 4	36.	-49.39	235.57	-0.00912	-0.00214		-0.11424	
50428	23 4	46.	-49.84	234.94	0.04768	-0.00325		-0.14133	
50428	23 4	56.	-50.28	234.30	-0.07345	-0.00461	-0.032169	-0.15209	-0.431742
50428	23 5	6.	-50.72	233.65	0.00918	-0.00613		-0.14974	
50428	23 5	16.	-51.16	232.99	0.03596	-0.00775		-0.14095	
50428	23 5	26.	-51.60	232.31	-0.09015	-0.00940		-0.13216	
50428	23 5	36.	-52.03	231.62	0.37181	-0.01106		-0.12034	
50428	23 5	46.	-52.46	230.92	0.11551	-0.01272		-0.13198	
50428	23 5	56.	-52.88	230.21	0.08430	-0.01430		-0.13967	
50428	23 6	6.	-53.30	229.48	-0.01741	-0.01580	-0.035030	-0.14402	0.454827
50428	23 6	16.	-53.71	228.74	-0.07239	-0.01721		-0.13945	
50428	23 6	26.	-54.12	227.99	-0.03446	-0.01853		-0.12481	
50428	23 6	36.	-54.53	227.22	-0.03926	-0.01970		-0.10204	
50428	23 6	46.	-54.93	226.44	-0.02022	-0.02065		-0.07422	
50428	23 6	56.	-55.33	225.64	0.09526	-0.02134	0.019103	-0.04473	1.176031
50428	23 7	6.	-55.73	224.83	0.03233	-0.02175		-0.01672	
50428	23 7	16.	-56.11	224.00	-0.00480	-0.02185		0.00858	
50428	23 7	26.	-56.50	223.16	-0.07557	-0.02163		0.03225	
50428	23 7	36.	-56.87	222.30	0.00824	-0.02109		0.05597	
50428	23 7	46.	-57.25	221.43	0.05031	-0.02017		0.08288	
50428	23 7	56.	-57.61	220.53	0.02362	-0.01876		0.11805	
50428	23 8	6.	-57.97	219.62	-0.07192	-0.01680	0.002398	0.16612	0.712432
50428	23 8	16.	-58.33	218.70	0.04914	-0.01432		0.22802	
50428	23 8	26.	-58.68	217.75	-0.09331	-0.01096		0.30128	
50428	23 8	36.	-59.02	216.79	-0.01078	-0.00701		0.37945	
50428	23 8	46.	-59.35	215.81	-0.08426	-0.00224		0.45237	
50428	23 8	56.	-59.68	214.81	-0.08744	0.00260		0.50786	
50428	23 9	6.	-60.00	213.79	0.01066	0.00786		0.53377	
50428	23 9	16.	-60.32	212.75	0.04776	0.01310		0.52198	
50428	23 9	26.	-60.62	211.70	0.10485	0.01798		0.47048	
50428	23 9	36.	-60.92	210.62	0.04903	0.02216		0.38239	
50428	23 9	46.	-61.21	209.53	0.06877	0.02525		0.26318	
50428	23 9	56.	-61.49	208.41	0.10585	0.02700		0.12060	
50428	23 10	6.	-61.77	207.28	0.04760	0.02728		-0.03422	
50428	23 10	16.	-62.03	206.13	-0.00314	0.02601		-0.18923	
50428	23 10	26.	-62.29	204.96	0.08688	0.02324		-0.33360	
50428	23 10	36.	-62.53	203.77	0.04116	0.01916		-0.45763	
50428	23 10	46.	-62.77	202.56	0.00702	0.01403		-0.55335	
50428	23 10	56.	-62.99	201.33	0.00512	0.00811		-0.61611	
50428	23 11	6.	-63.21	200.09	0.07402	0.00171		-0.64465	
50428	23 11	16.	-63.42	198.82	-0.08537	-0.00488		-0.64006	
50428	23 11	26.	-63.61	197.54	-0.03790	-0.01142		-0.60587	
50428	23 11	36.	-63.80	196.25	-0.06804	-0.01767		-0.54932	

GEOS-3 Revolution No. 269

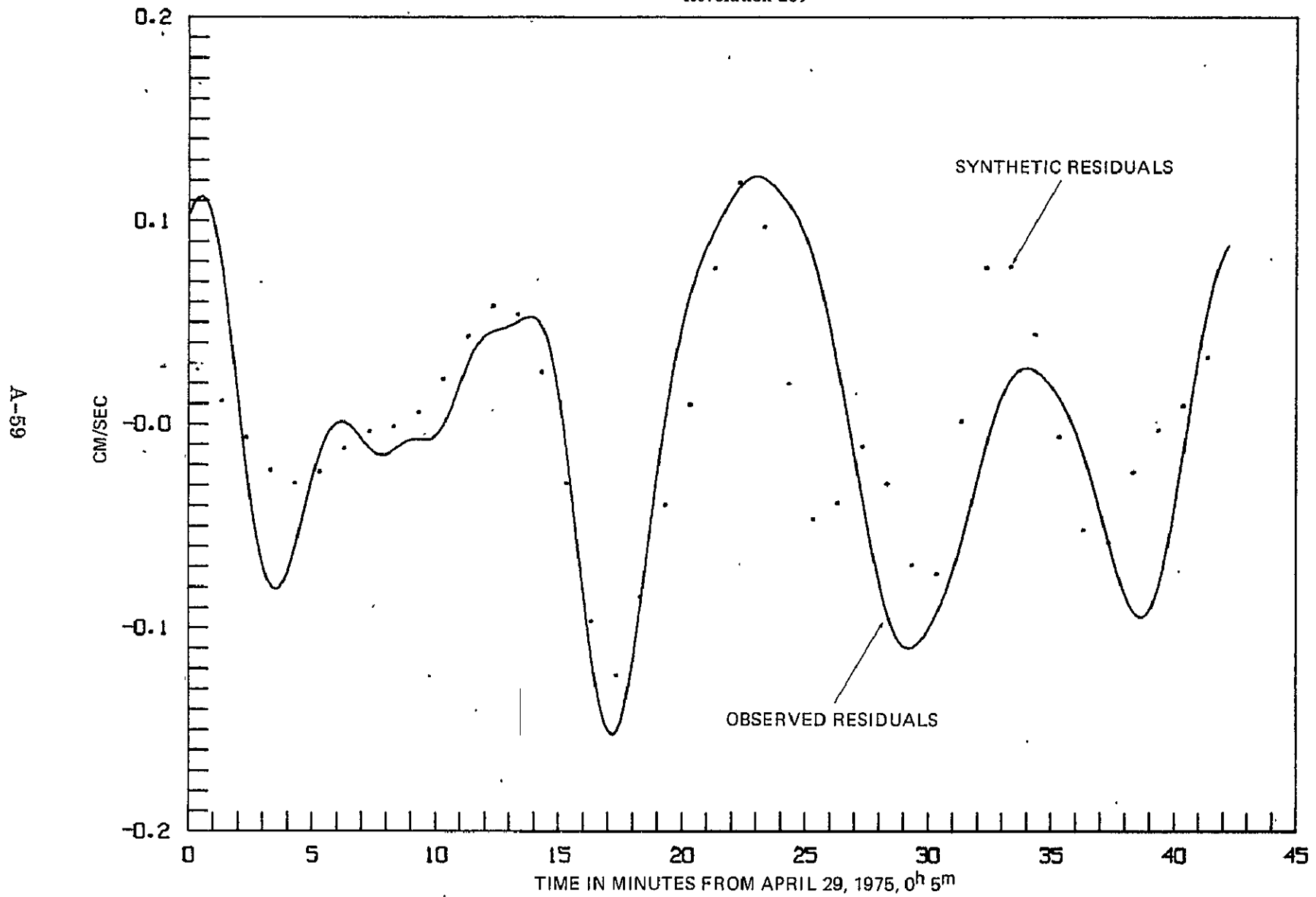
April 29, 1975, 0<sup>h</sup> 5<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 269

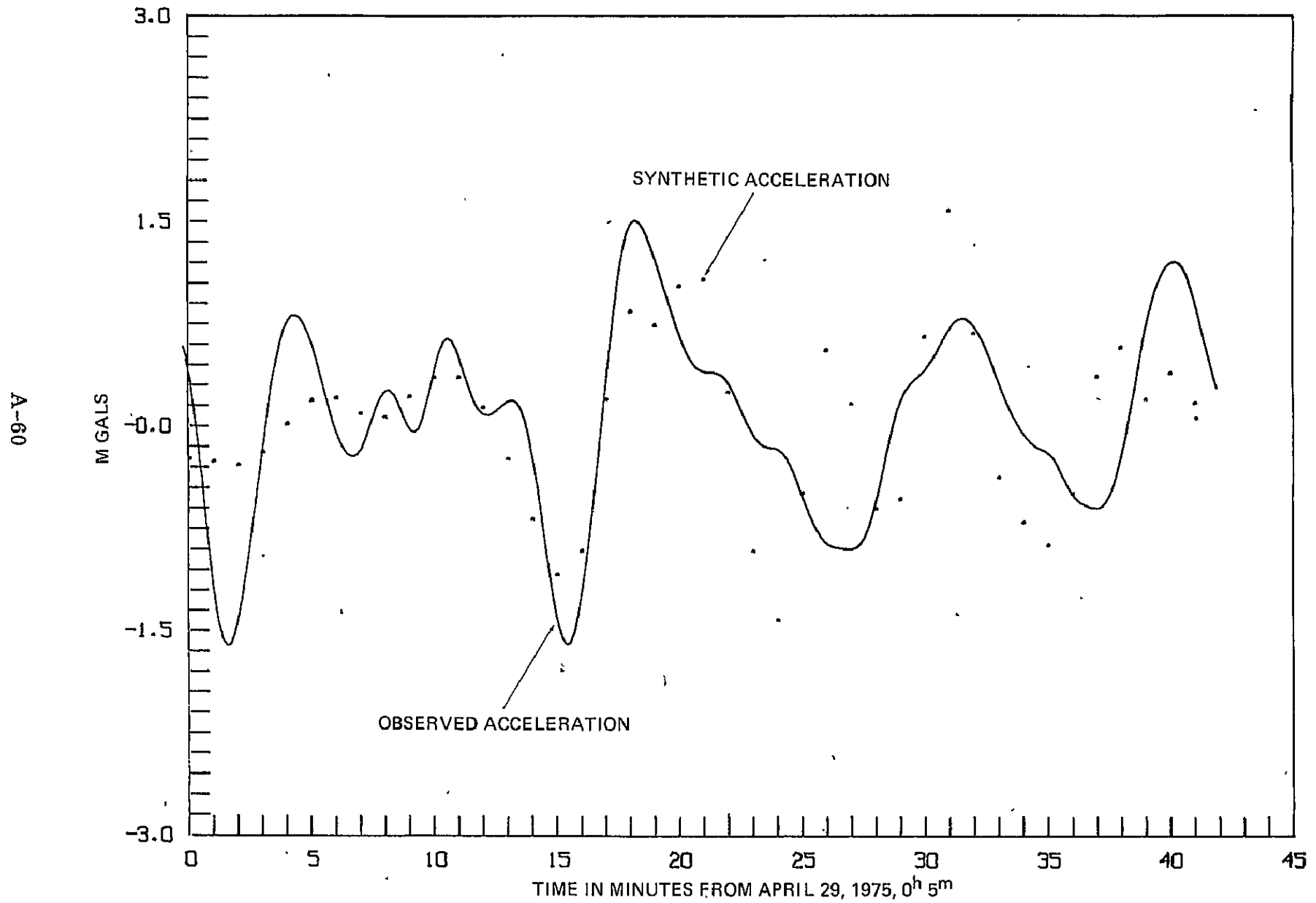
A-58



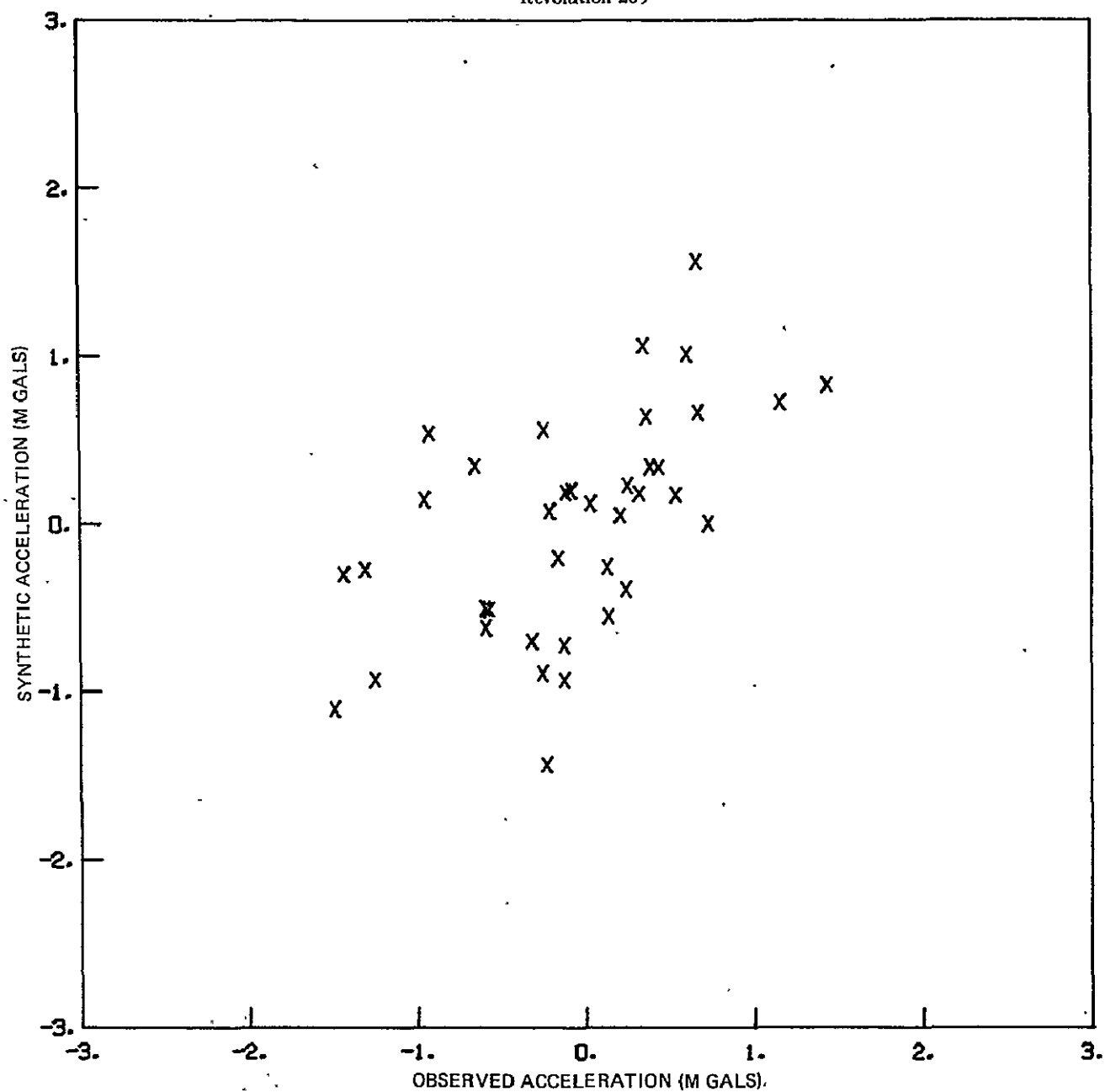
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 269



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 269



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 269



REVOLUTION 269

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750429	0 5	54.	64.91	334.23	0.00669	0.10410		0.52861	
750429	0 6	4.	64.83	333.42	-0.00806	0.10857		0.43081	
750429	0 6	14.	64.74	332.02	0.01062	0.11141	0.028826	0.27794	-0.256399
750429	0 6	24.	64.63	330.63	0.25808	0.11212		0.06765	
750429	0 6	34.	64.51	329.25	0.24197	0.11033		-0.19095	
750429	0 6	44.	64.38	327.89	0.10710	0.10585		-0.48062	
750429	0 6	54.	64.24	326.53	0.25413	0.05860		-0.77933	
750429	0 7	4.	64.08	325.19	0.08381	0.08863		-1.06244	
750429	0 7	14.	63.92	323.27	0.12976	0.07608	0.013442	-1.38782	-0.276207
750429	0 7	24.	63.74	322.56	0.02387	0.06131		-1.49515	
750429	0 7	34.	63.55	321.27	0.03582	0.04486		-1.61593	
750429	0 7	44.	63.35	319.99	0.00287	0.02738		-1.66586	
750429	0 7	54.	63.14	318.73	-0.00818	0.00960		-1.64730	
750429	0 8	4.	62.92	317.49	-0.03238	-0.00778		-1.56698	
750429	0 8	14.	62.69	316.27	-0.08911	-0.02416	-0.004468	-1.43470	-0.303468
750429	0 8	24.	62.45	315.06	-0.08496	-0.03904		-1.26234	
750429	0 8	34.	62.20	313.88	-0.03711	-0.05201		-1.06207	
750429	0 8	44.	61.94	312.71	-0.14150	-0.06277		-0.84433	
750429	0 8	54.	61.68	311.56	-0.07157	-0.07112		-0.61769	
750429	0 9	4.	61.40	310.44	-0.16234	-0.07654		-0.38828	
750429	0 9	14.	61.11	309.33	-0.11954	-0.08030	-0.020471	-0.16227	-0.205566
750429	0 9	24.	60.82	308.24	-0.11528	-0.08130		-0.05202	
750429	0 9	34.	60.52	307.17	-0.11995	-0.08010		0.24631	
750429	0 9	44.	60.21	306.12	-0.04899	-0.07693		0.41375	
750429	0 9	54.	59.89	305.09	-0.06118	-0.07205		0.55919	
750429	010	4.	59.57	304.07	-0.04394	-0.06582		0.65388	
750429	010	14.	59.24	303.08	-0.16587	-0.05858	-0.026966	0.72404	0.000835
750429	010	24.	58.90	302.10	-0.03589	-0.05075		0.75993	
750429	010	34.	58.56	301.14	-0.06231	-0.04262		0.76289	
750429	010	44.	58.21	300.20	-0.01173	-0.03452		0.73679	
750429	010	54.	57.85	299.28	0.03898	-0.02675		0.68652	
750429	011	4.	57.49	298.38	-0.08585	-0.01958		0.61712	
750429	011	14.	57.12	297.49	-0.10663	-0.01329	0.021096	0.63124	0.170976
750429	011	24.	56.74	296.62	-0.04941	-0.00806		0.42949	
750429	011	34.	56.36	295.76	-0.01604	-0.00397		0.31480	
750429	011	44.	55.98	294.93	-0.09452	-0.00107		0.19380	
750429	011	54.	55.59	294.10	-0.01521	0.00065		0.07532	
750429	012	4.	55.19	293.30	-0.05269	0.00121		-0.03228	
750429	012	14.	54.79	292.50	-0.01841	0.00075	-0.009504	-0.12275	0.188363
750429	012	24.	54.39	291.73	-0.17778	-0.00062		-0.19276	
750429	012	34.	53.98	290.96	-0.04508	-0.00272		0.24288	
750429	012	44.	53.57	290.21	-0.09919	-0.00525		-0.27337	
750429	012	54.	53.15	289.48	-0.01363	-0.00790		-0.28081	
750429	013	4.	52.73	288.76	-0.00447	-0.01043		-0.26165	
750429	013	14.	52.30	288.05	-0.10284	-0.01264	-0.001134	-0.21569	0.073670
750429	013	24.	51.87	287.35	-0.06036	-0.01431		-0.14714	
750429	013	34.	51.44	286.67	-0.08535	-0.01528		-0.06311	
750429	013	44.	51.00	285.99	-0.11897	-0.01551		-0.02645	
750429	013	54.	50.56	285.33	-0.02787	-0.01584		0.18845	
750429	014	4.	50.12	284.68	-0.05122	-0.01395		0.17042	
750429	014	14.	49.68	284.05	-0.03961	-0.01254	0.001077	0.20315	0.046005
750429	014	24.	49.23	283.42	-0.00723	-0.01097		0.20124	
750429	014	34.	48.77	282.80	0.02805	-0.00950		0.16746	
750429	014	44.	48.32	282.20	-0.01246	-0.00837		0.10709	
750429	014	54.	47.86	281.60	0.11087	-0.00770		0.03288	
750429	015	4.	47.40	281.01	0.1812	-0.00746		-0.03859	
750429	015	14.	46.94	280.44	-0.00724	-0.00754	0.007967	-0.08801	0.197367
750429	015	24.	46.47	279.87	-0.01168	-0.00774		-0.10310	
750429	015	34.	46.01	279.31	0.07448	-0.06775		-0.07369	
750429	015	44.	45.54	278.76	-0.09454	-0.00722		-0.00121	
750429	015	54.	45.06	278.22	-0.06396	-0.00588		0.11351	
750429	016	4.	44.59	277.68	-0.22300	-0.00355		0.24656	
750429	016	14.	44.11	277.16	-0.01606	-0.00019	0.024528	0.37953	0.337113
750429	016	24.	43.63	276.64	-0.08216	0.00416		0.49001	
750429	016	34.	43.16	276.13	-0.00000	0.00020		0.66270	
750429	016	44.	42.67	275.63	0.08344	0.01491		0.58892	
750429	016	54.	42.19	275.13	0.08758	0.02066		0.56915	
750429	017	4.	41.70	274.64	0.12803	-0.02622		0.51167	
750429	017	14.	41.21	274.16	0.00581	0.03126	0.045594	0.42911	0.335637
750429	017	24.	40.72	273.68	0.07924	0.03556		0.33455	
750429	017	34.	40.23	273.21	0.10320	0.03902		0.24001	
750429	017	44.	39.74	272.75	0.04374	0.04166		0.15641	
750429	017	54.	39.24	272.29	0.02074	0.04355		0.09138	
750429	018	4.	38.75	271.84	-0.00504	0.04485		0.04893	
750429	018	14.	38.25	271.39	0.09061	0.04572	0.060463	0.02575	0.117485
750429	018	24.	37.75	270.93	-0.00877	0.04638		0.02226	
750429	018	34.	37.25	270.51	0.00168	0.04698		0.03382	
750429	018	44.	36.75	270.08	0.08878	0.04766		0.05522	
750429	018	54.	36.24	269.66	0.09494	0.04851		0.08154	
750429	019	4.	35.74	269.24	-0.02230	0.04955		0.10875	
750429	019	14.	35.23	268.82	-0.00157	0.05067	0.056487	0.12783	-0.260829
750429	019	24.	34.73	268.41	0.15143	0.05174		0.13219	
750429	019	34.	34.22	268.00	-0.08317	0.05256		0.11324	
750429	019	44.	33.71	267.60	-0.05712	0.05279		0.06284	
750429	019	54.	33.29	267.20	0.25146	0.05210		-0.02635	
750429	020	4.	32.69	266.81	-0.01232	0.05022		-0.15506	
750429	020	14.	32.18	266.42	0.03374	0.04674	0.027918	-0.31911	-0.701416
750429	020	24.	31.66	266.03	0.11879	0.04137		-0.51238	
750429	020	34.	31.15	265.65	0.08243	0.03302		-0.72471	
750429	020	44.	30.63	265.27	0.07534	0.02430		-0.94270	
750429	020	54.	30.12	264.89	0.02806	0.01251		-1.15209	
750429	021	4.	29.60	264.52	-0.06119	-0.00131		-1.33960	
750429	021	14.	29.08	264.15	0.10384	-0.01665	-0.026980	-1.49355	-1.106851
750429	021	24.	28.56	263.79	0.00479	-0.03365		-1.60217	
750429	021	34.	28.04	263.42	-0.04834	-0.05117		-1.65444	
750429	021	44.	27.52	263.07	-0.02101	-0.06885		-1.64363	
750429	021	54.	27.00	262.71	-0.14346	-0.08606		-1.56845	
750429	022	4.	26.48	262.36	-0.27605	-0.10227		-1.43441	
750429	022	14.	25.96	262.01	-0.22805	-0.11696	-0.094419	-1.25365	-0.929896

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REVOLUTION 269

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750429	022	24.	25.43	261.66	-0.00108	-0.12962		-1.03935	
750429	022	34.	24.91	261.31	-0.03525	-0.13974		-0.79923	
750429	022	44.	24.38	260.97	-0.30296	-0.14703		-0.53681	
750429	022	54.	23.86	260.63	-0.06421	-0.15136		-0.25798	
750429	023	4.	23.33	260.29	-0.34260	-0.15261		0.02899	
750429	023	14.	22.81	259.96	-0.04940	-0.15078	-0.121189	0.31412	0.177461
750429	023	25.	22.28	259.62	-0.10477	-0.14590		0.58775	
750429	023	35.	21.75	259.29	-0.31311	-0.13818		0.84125	
750429	023	45.	21.22	258.96	-0.17176	-0.12801		1.06292	
750429	023	55.	20.69	258.63	-0.16603	-0.11576		1.24023	
750429	024	5.	20.16	258.31	-0.13740	-0.10189		1.36467	
750429	024	15.	19.63	257.99	0.05188	-0.08687	-0.082338	1.43397	0.824097
750429	024	25.	19.10	257.67	-0.02892	-0.07113		1.48372	
750429	024	35.	18.57	257.35	0.01284	-0.05513		1.43456	
750429	024	45.	18.04	257.03	-0.07708	-0.03929		1.38755	
750429	024	55.	17.51	256.71	-0.01430	-0.02395		1.32136	
750429	025	5.	16.98	256.40	0.05148	0.00935		1.24186	
750429	025	15.	16.44	256.08	0.03514	0.00436	-0.037292	1.15292	0.720542
750429	025	25.	15.91	255.77	0.04696	0.01708		1.05826	
750429	025	35.	15.38	255.46	0.00911	0.02877		0.96148	
750429	025	45.	14.85	255.15	0.03182	0.03938		0.86516	
750429	025	55.	14.31	254.85	0.06334	0.04892		0.77088	
750429	026	5.	13.78	254.54	0.00718	0.05743	0.011980	0.68016	1.009624
750429	026	15.	13.24	254.23	0.14321	0.06496		0.59475	
750429	026	25.	12.71	253.93	0.10960	0.07164		0.51780	
750429	026	35.	12.17	253.63	0.05915	0.07758		0.45334	
750429	026	45.	11.64	253.33	0.08391	0.06288		0.40369	
750429	026	55.	11.10	253.02	0.10332	0.04768		0.36902	
750429	027	5.	10.56	252.72	0.05610	0.02110		0.34794	
750429	027	15.	10.03	252.43	0.17182	0.00626	0.079056	0.33735	1.058346
750429	027	25.	9.49	252.13	-0.01403	0.10025		0.33349	
750429	027	35.	8.96	251.83	0.19566	0.10409		0.33150	
750429	027	45.	8.42	251.53	0.05809	0.10778		0.32635	
750429	027	55.	7.88	251.24	0.06567	0.11124		0.31321	
750429	028	5.	7.34	250.94	0.03359	0.11437		0.28660	
750429	028	15.	6.81	250.65	0.16461	0.11705	0.121352	0.24285	0.225575
750429	028	25.	6.27	250.35	0.34556	0.11924		0.18355	
750429	028	35.	5.73	250.06	0.04524	0.12090		0.11633	
750429	028	45.	5.19	249.77	0.06282	0.12188		0.04832	
750429	028	55.	4.66	249.47	0.15111	0.12213		-0.01740	
750429	029	5.	4.12	249.18	0.12088	0.12172		-0.07628	
750429	029	15.	3.58	248.89	0.23185	0.12074	0.095578	-0.13093	-0.934550
750429	029	25.	3.04	248.60	0.03102	0.11928		-0.17158	
750429	029	35.	2.50	248.30	0.20671	0.11743		-0.19858	
750429	029	45.	1.97	248.01	0.06225	0.11530		-0.21296	
750429	029	55.	1.43	247.72	0.07182	0.11293		-0.21847	
750429	030	5.	0.89	247.43	0.05932	0.11032		-0.22231	
750429	030	15.	0.35	247.14	0.07720	0.10745	0.022325	-0.23284	-1.438712
750429	030	25.	-0.19	246.85	0.10761	0.10425		-0.25716	
750429	030	35.	-0.73	246.56	0.16824	0.10063		-0.29892	
750429	030	45.	-1.26	246.27	0.03022	0.09647		-0.35774	
750429	030	55.	-1.80	245.98	0.20396	0.09164		-0.43061	
750429	031	5.	-2.34	245.68	0.12437	0.08608		-0.51194	
750429	031	15.	-2.88	245.39	0.06750	0.07971	-0.044337	-0.59454	-0.506329
750429	031	25.	-3.42	245.10	0.09096	0.07250		-0.67292	
750429	031	35.	-3.95	244.81	-0.01443	0.06448		-0.74389	
750429	031	45.	-4.49	244.52	0.09124	0.05570		-0.80619	
750429	031	55.	-5.03	244.22	0.11783	0.04630		-0.85638	
750429	032	5.	-5.57	243.93	0.04577	0.03641		-0.89869	
750429	032	15.	-6.11	243.64	-0.03852	0.02613	-0.036193	-0.92542	0.538137
750429	032	25.	-6.64	243.34	-0.00984	0.01552		-0.94100	
750429	032	35.	-7.18	243.05	-0.02304	0.00468		-0.94956	
750429	032	45.	-7.72	242.75	0.02091	-0.00631		-0.95475	
750429	032	55.	-8.26	242.46	-0.04708	-0.01736		-0.95835	
750429	033	5.	-8.79	242.16	-0.01967	-0.02842		-0.96017	
750429	033	15.	-9.33	241.87	-0.00262	-0.03940	-0.008575	-0.95795	0.141877
750429	033	25.	-9.86	241.57	-0.00920	-0.05017		-0.94484	
750429	033	35.	-10.40	241.27	-0.01442	-0.06058		-0.92051	
750429	033	45.	-10.94	240.97	-0.11568	-0.07046		-0.87311	
750429	033	55.	-11.47	240.67	-0.06234	-0.07961		-0.80160	
750429	034	5.	-12.01	240.37	-0.08860	-0.08783		-0.70584	
750429	034	15.	-12.54	240.06	-0.08771	-0.09489	-0.027037	-0.58820	-0.623397
750429	034	25.	-13.08	239.76	-0.23284	-0.10066		-0.45433	
750429	034	35.	-13.61	239.46	-0.10592	-0.10508		-0.31363	
750429	034	45.	-14.15	239.15	-0.15748	-0.10811		-0.17887	
750429	034	55.	-14.68	238.84	-0.12473	-0.10980		-0.05235	
750429	035	5.	-15.21	238.53	-0.09002	-0.11025		0.05307	
750429	035	15.	-15.75	238.22	-0.06466	-0.10963	-0.066950	0.13700	-0.555129
750429	035	25.	-16.28	237.91	-0.16904	-0.10811		0.20017	
750429	035	35.	-16.81	237.60	-0.08080	-0.10590		0.24506	
750429	035	45.	-17.35	237.29	-0.02525	-0.10312		0.27610	
750429	035	55.	-17.88	236.97	-0.05143	-0.09983		0.30065	
750429	036	5.	-18.41	236.65	-0.07982	-0.09608		0.32671	
750429	036	16.	-18.94	236.33	-0.19181	-0.09193	-0.071203	0.35952	0.635618
750429	036	26.	-19.47	236.01	-0.09662	-0.08738		0.40001	
750429	036	36.	-20.00	235.69	-0.04207	-0.08234		0.44683	
750429	036	46.	-20.53	235.37	-0.04440	-0.07676		0.49900	
750429	036	56.	-21.06	235.04	-0.16080	-0.07060		0.55501	
750429	037	6.	-21.59	234.71	-0.07529	-0.06351		0.61078	
750429	037	16.	-22.11	234.38	-0.06622	-0.05673	0.003999	0.66079	1.560102
750429	037	26.	-22.64	234.05	-0.03025	-0.04912		0.70032	
750429	037	36.	-23.17	233.71	-0.09244	-0.04119		0.72613	
750429	037	46.	-23.69	233.38	-0.04626	-0.03311		0.73542	
750429	037	56.	-24.22	233.04	0.07794	-0.02502		0.72716	
750429	038	6.	-24.74	232.70	-0.04638	-0.01704		0.70318	
750429	038	16.	-25.27	232.35	-0.01477	-0.00939	0.079507	0.66608	0.659463
750429	038	26.	-25.79	232.00	0.04887	-0.00220		0.61705	
750429	038	36.	-26.31	231.66	-0.12128	0.00437		0.55730	
750429	038	46.	-26.84	231.30	0.02134	-0.01017		0.44663	
750429	038	56.	-27.36	230.95	0.10329	0.01516		0.40593	
750429	039	6.	-27.88	230.59	0.08642	0.01933		0.32013	
750429	039	16.	-28.40	230.23	0.04638	0.02265	0.080065	0.23604	-0.394670
750429	039	26.	-28.92	229.86	-0.07021	0.02511		0.15851	
750429	039	36.	-29.43	229.50	0.01782	0.02469		0.08842	

REVOLUTION 269

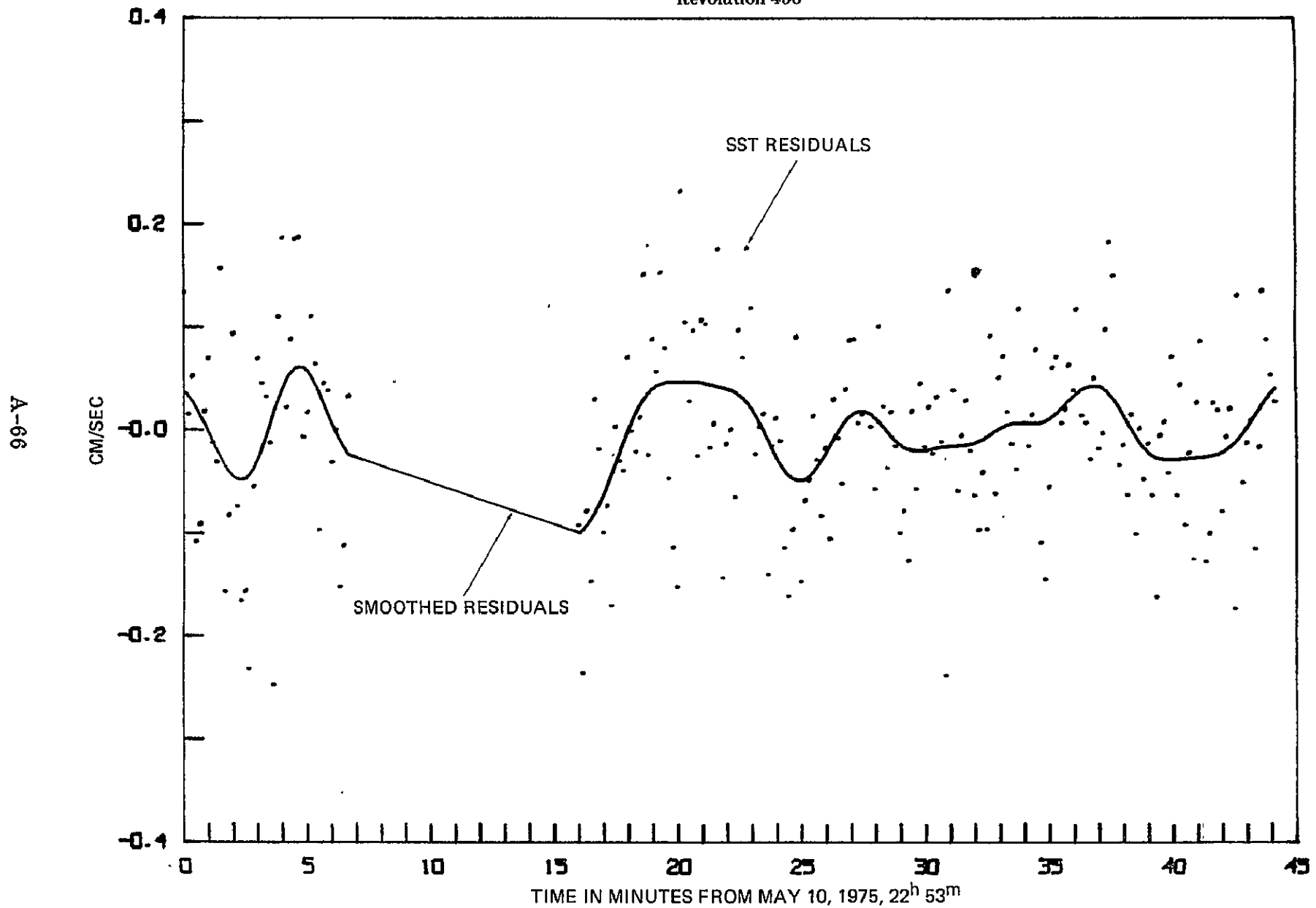
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750429	039	46.	-29.95	229.13	0.06979	0.02748		0.02468	
750429	039	56.	-30.47	228.75	-0.02041	0.02758		-0.03289	
750429	040	6.	-30.98	228.37	0.11641	0.02763		-0.08399	
750429	040	16.	-31.50	227.99	0.00525	0.02600	0.046595	-0.12771	-0.726379
750429	040	26.	-32.01	227.61	-0.08503	0.02448		-0.16354	
750429	040	36.	-32.52	227.22	0.15543	0.02285		-0.19271	
750429	040	46.	-33.03	226.83	0.11681	0.02035		-0.21515	
750429	040	56.	-33.55	226.43	-0.08916	0.01791		-0.23021	
750429	041	6.	-34.05	226.03	-0.12376	-0.01514		-0.24230	
750429	041	16.	-34.56	225.62	-0.02741	0.01198	-0.003788	-0.26083	-0.892451
750429	041	26.	-35.07	225.21	0.03134	0.00839		-0.29389	
750429	041	36.	-35.58	224.80	0.06245	0.00436		-0.34354	
750429	041	46.	-36.08	224.38	0.11536	-0.00015		-0.40515	
750429	041	56.	-36.58	223.96	0.05910	-0.00516		-0.46946	
750429	042	6.	-37.08	223.53	-0.07264	-0.01071		-0.52702	
750429	042	16.	-37.59	223.09	0.01237	-0.01679	-0.049559	-0.57254	-0.511508
750429	042	26.	-38.08	222.66	-0.07057	-0.02333		-0.60492	
750429	042	36.	-38.58	222.21	-0.12647	-0.03026		-0.62629	
750429	042	46.	-39.08	221.76	0.03410	-0.03751		-0.64109	
750429	042	56.	-39.57	221.31	-0.03346	-0.04493		-0.65248	
750429	043	6.	-40.07	220.84	0.01073	-0.05241		-0.65975	
750429	043	16.	-40.56	220.38	-0.02011	-0.05980	-0.055666	-0.65868	0.344589
750429	043	26.	-41.05	219.90	-0.09207	-0.06657		-0.64352	
750429	043	36.	-41.54	219.42	-0.05677	-0.07377		-0.60953	
750429	043	46.	-42.02	218.94	-0.08424	-0.07999		-0.55354	
750429	043	56.	-42.51	218.44	-0.07260	-0.08541		-0.47365	
750429	044	6.	-42.99	217.94	-0.06302	-0.08970		-0.36993	
750429	044	16.	-43.47	217.43	-0.23161	-0.09291	-0.021038	-0.24456	0.559197
750429	044	26.	-43.95	216.92	-0.04661	-0.09463		-0.10285	
750429	044	36.	-44.43	216.40	-0.05384	-0.09473		0.04991	
750429	044	46.	-44.90	215.86	-0.12765	-0.09310		0.21004	
750429	044	56.	-45.38	215.33	-0.10829	-0.08923		0.37290	
750429	045	6.	-45.85	214.78	-0.18247	-0.08466		0.53197	
750429	045	16.	-46.31	214.22	-0.04386	-0.07757	-0.000540	0.67974	0.174918
750429	045	26.	-46.78	213.66	-0.09717	-0.06977		0.81097	
750429	045	36.	-47.24	213.09	-0.06162	-0.06024		0.91940	
750429	045	46.	-47.70	212.50	-0.02024	-0.04958		1.07627	
750429	045	56.	-48.16	211.91	0.09321	-0.04379		1.07153	
750429	046	6.	-48.62	211.31	-0.03635	-0.02570		1.11726	
750429	046	16.	-49.07	210.70	-0.00158	-0.01295	0.011536	1.14474	0.369828
750429	046	26.	-49.52	210.07	-0.04312	-0.00001		1.15336	
750429	046	36.	-49.96	209.44	-0.00135	0.01284		1.14057	
750429	046	46.	-50.41	208.80	-0.03621	-0.02533		1.10305	
750429	046	56.	-50.85	208.14	0.05077	0.03717		1.03854	
750429	047	6.	-51.28	207.47	0.12383	0.04815		0.94789	
750429	047	16.	-51.72	206.80	0.06857	0.05808		0.83513	
750429	047	26.	-52.15	206.10	0.16537	0.06677		0.71083	
750429	047	36.	-52.57	205.40	0.06890	0.07411		0.58021	
750429	047	46.	-53.00	204.68	0.00055	0.08005		0.45197	
750429	047	56.	-53.41	203.96	0.12065	0.08463		0.33078	
750429	048	6.	-53.83	203.21	0.09141	0.08798		0.21880	

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GEOS-3 Revolution No. 438

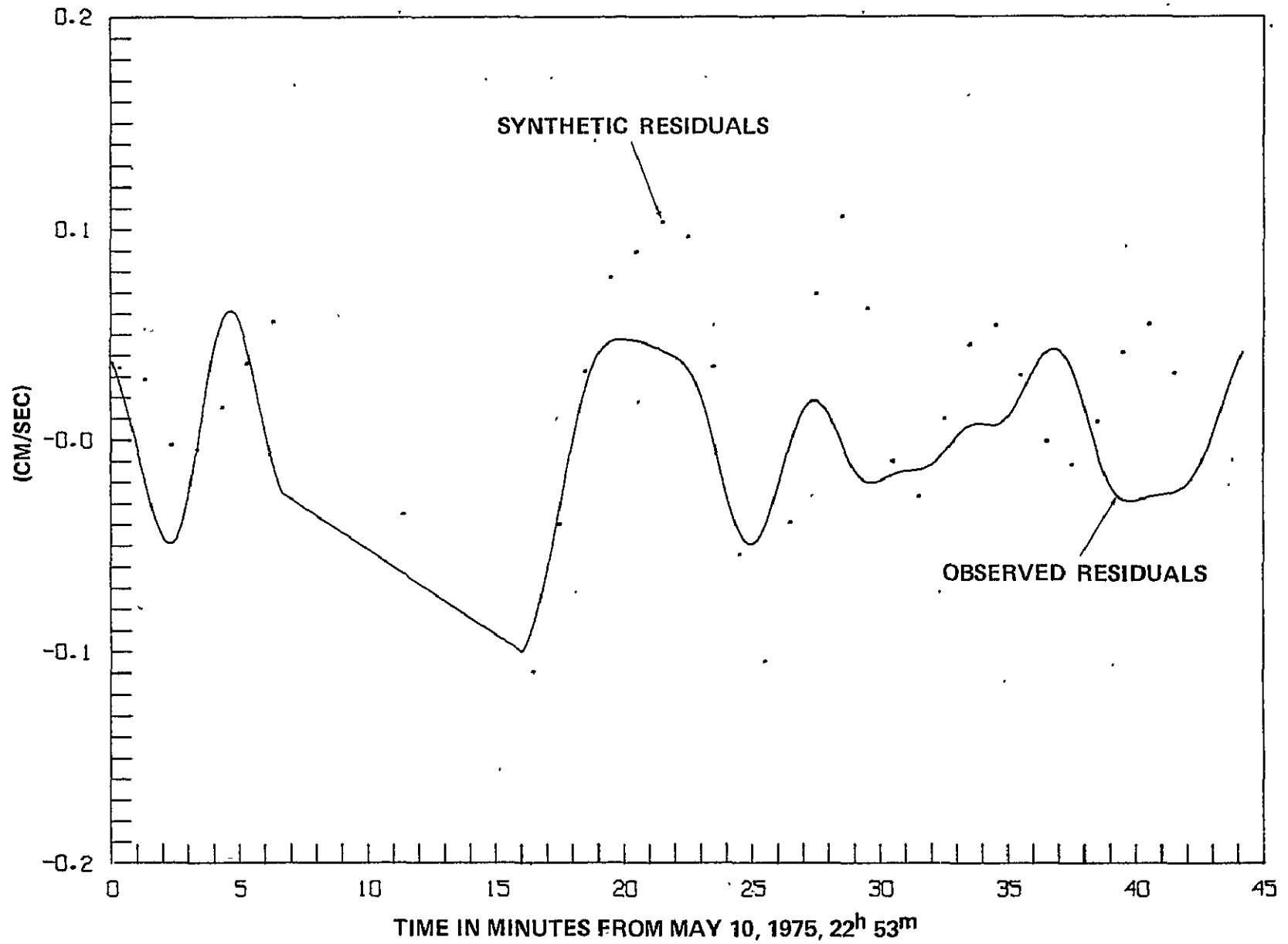
May 10, 1975, 22<sup>h</sup> 53<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 438

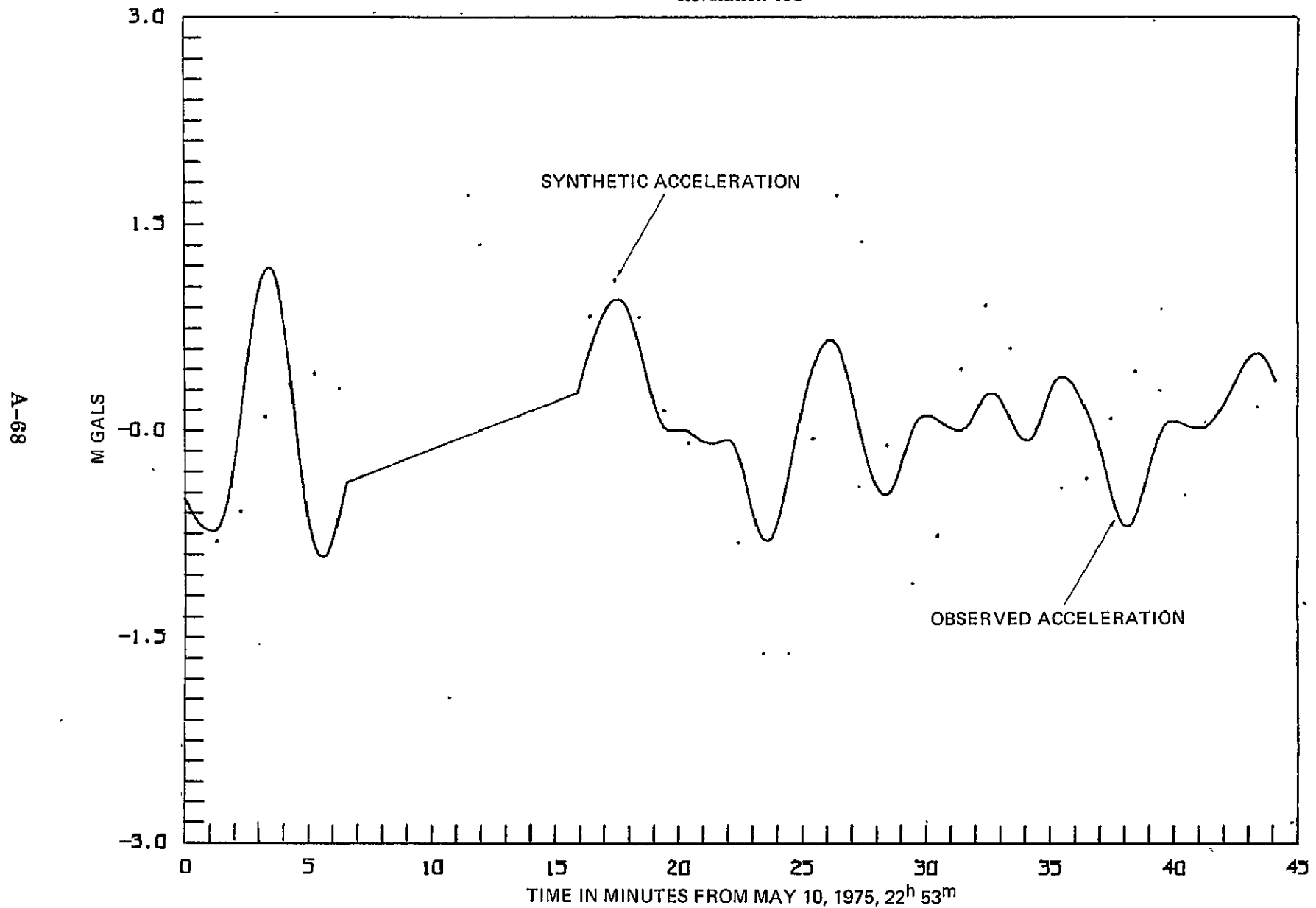


GEOS-3/ATS-6 SST Range Rate Residuals  
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Revolution 438

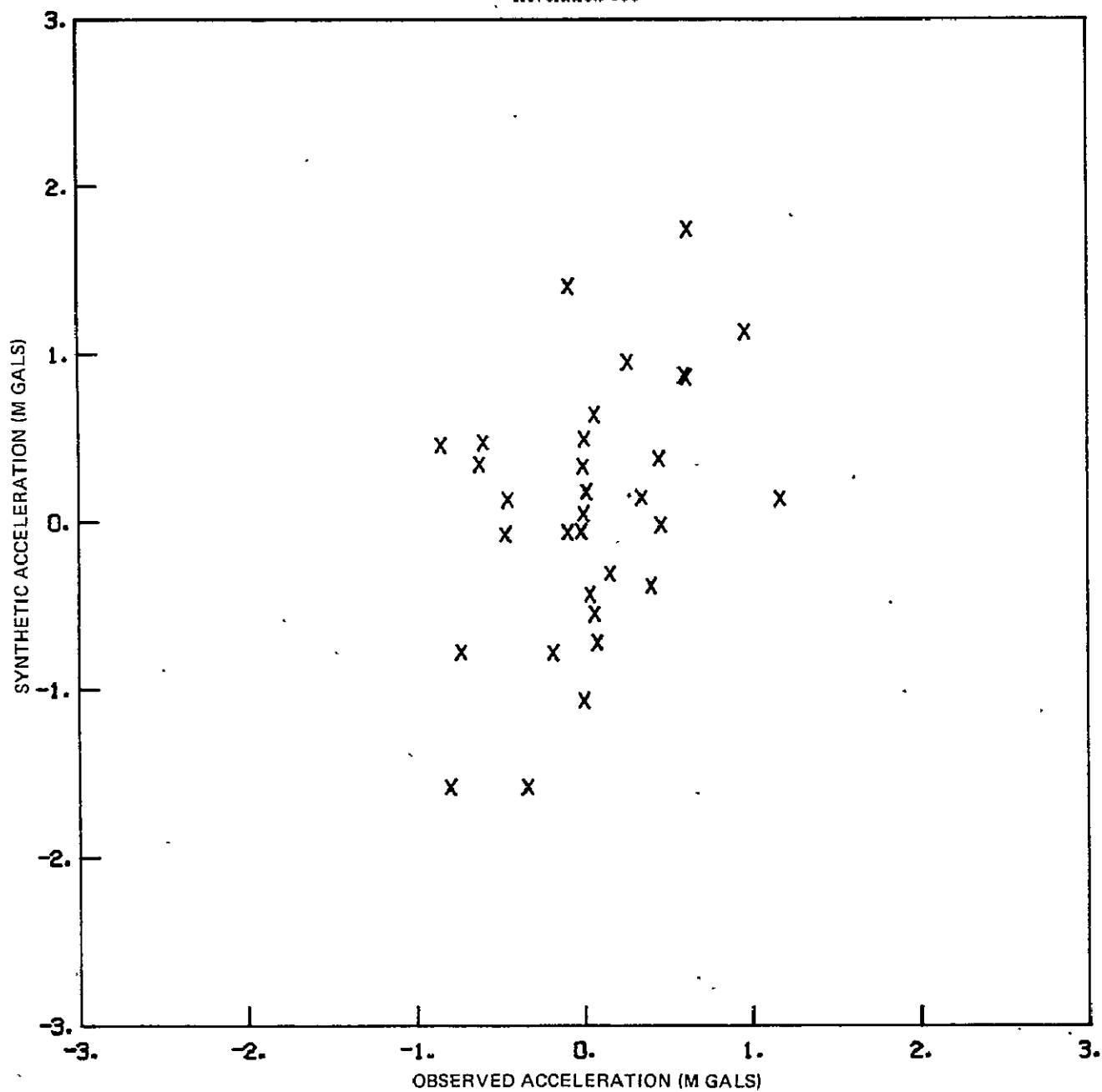
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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 438



GEOS-3/ATS-6 SST Range Rate Residuals  
 Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
 Revolution 438



GEOS-3/ATS-6  
 SST Range Rate Residuals

REVOLUTION 438

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750510	2253	14.	56.42	336.26	0.13882	0.03701		-0.49693	
750510	2253	24.	56.04	335.42	0.01924	0.03123		-0.56179	
750510	2253	34.	55.65	334.59	0.05679	0.02486	0.036405	-0.62055	-0.094633
750510	2253	44.	55.25	333.78	-0.10398	0.01754		-0.66651	
750510	2253	54.	54.85	332.99	-0.08620	0.01048		-0.70097	
750510	2254	4.	54.45	332.21	0.02261	0.00251		-0.72691	
750510	2254	14.	54.04	331.44	0.07427	-0.00579		-0.74391	
750510	2254	24.	53.63	330.69	-0.00795	-0.01417		-0.74838	
750510	2254	34.	53.21	329.96	-0.02694	0.02237	0.030727	-0.73481	-0.336378
750510	2254	44.	52.79	329.23	0.16149	-0.03008		-0.69611	
750510	2254	54.	52.37	328.52	-0.16255	-0.03694		-0.62352	
750510	2255	4.	51.94	327.82	0.07739	-0.04265		-0.51127	
750510	2255	14.	51.51	327.14	0.09842	-0.04681		-0.35810	
750510	2255	24.	51.07	326.46	-0.06982	-0.04899		-0.16465	
750510	2255	34.	50.64	325.80	-0.16150	-0.04896	-0.000137	0.06328	-0.386950
750510	2255	44.	50.19	325.15	-0.15135	-0.04657		0.31103	
750510	2255	54.	49.75	324.51	0.22802	0.04481		0.55746	
750510	2256	4.	49.30	323.88	-0.04954	-0.03482		0.77984	
750510	2256	14.	48.85	323.27	0.07395	-0.02578		0.96044	
750510	2256	24.	48.39	322.66	0.04942	-0.01505		1.09071	
750510	2256	34.	47.94	322.06	0.03646	-0.00313	-0.002513	1.16828	0.222180
750510	2256	44.	47.48	321.47	-0.00817	0.00934		1.19204	
750510	2256	54.	47.02	320.89	-0.24356	0.02165		1.15884	
750510	2257	4.	46.55	320.33	0.11486	0.03310		1.06322	
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750510	2257	24.	45.62	319.21	0.02594	0.05143	0.017783	0.69343	0.374654
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750510	2313	4.	26.61	281.94	0.10953	0.04766		-0.01062	
750510	2313	14.	26.12	281.45	-0.14736	0.04753		-0.00054	
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750510	2315	14.	20.24	276.57	-0.00733	0.03905		-0.06801	
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750510	2315	44.	18.77	275.10	0.10239	0.03323	0.058763	-0.19160	-0.557099
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750510	2316	4.	17.79	274.12	0.18156	0.02530		-0.42401	
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750510	2317	54.	12.40	268.73	-0.09055	-0.04768		-0.18838	
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750510	2318	14.	11.42	267.75	-0.14228	-0.04891		0.10642	
750510	2318	24.	10.93	267.26	-0.06257	-0.04719		0.23007	
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750510	2318	44.	9.95	266.28	0.01884	-0.03977	-0.162067	-0.45667	0.093464
750510	2318	54.	9.46	265.79	-0.02411	-0.03839		-0.53910	
750510	2319	4.	8.97	265.30	-0.07857	-0.02817		0.60345	
750510	2319	14.	8.48	264.81	-0.01202	-0.02141		0.64729	

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REVOLUTION 438

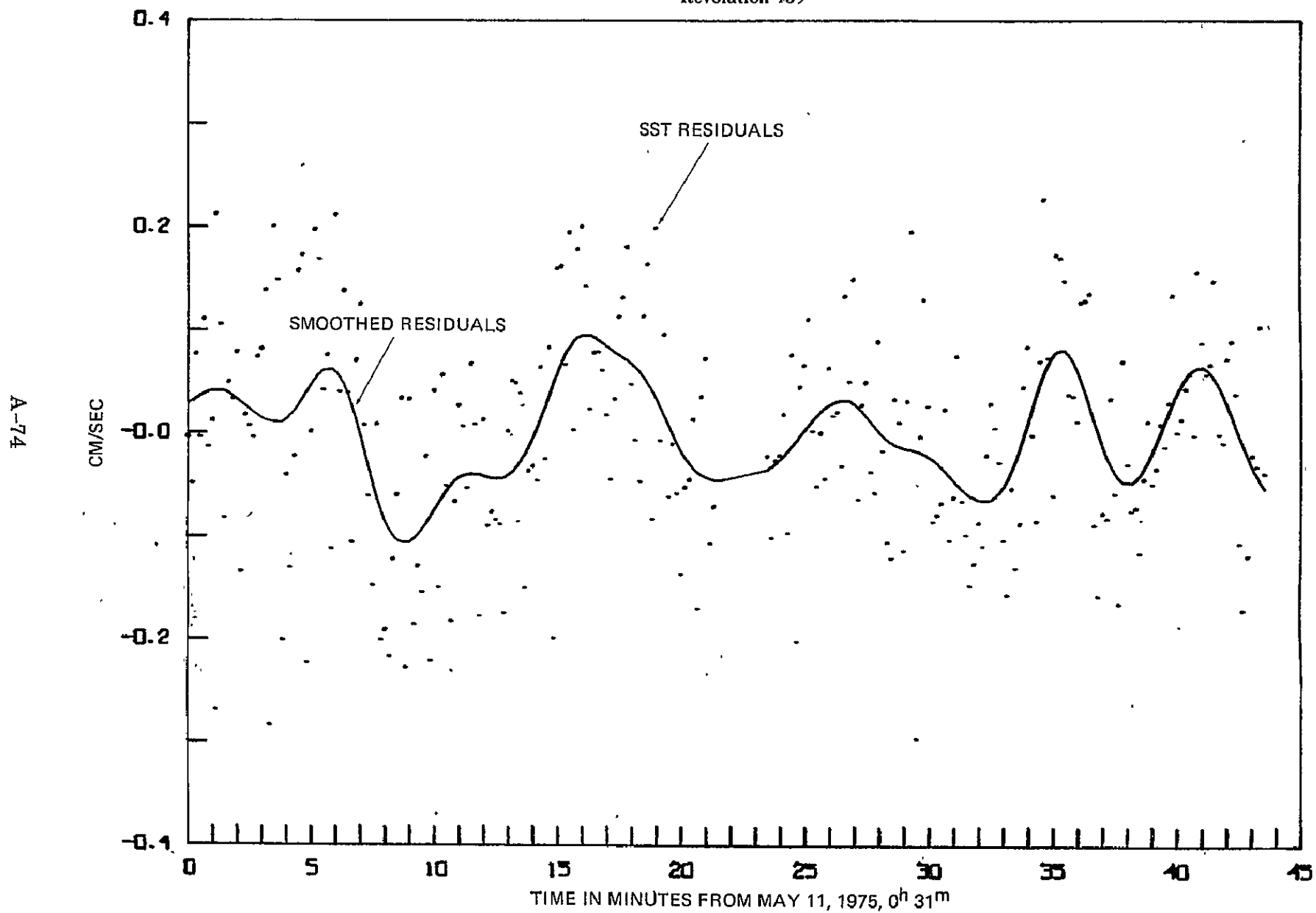
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YYMMDD	HHMM	SEC	LAT	E. LONG					
750510	2319	25.	-23.57	273.82	-0.10073	-0.01437		0.66686	
750510	2319	35.	-24.10	273.48	0.03489	-0.00736		0.65801	
750510	2319	45.	-24.62	273.14	-0.00320	-0.00065	-0.036570	0.61812	1.802520
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750510	2320	5.	-25.67	272.45	0.04450	0.01059		0.44661	
750510	2320	15.	-26.20	272.10	0.09248	0.01460		0.32202	
750510	2320	25.	-26.72	271.74	0.09307	0.01733		0.18295	
750510	2320	35.	-27.24	271.39	0.01124	0.01867		0.04103	
750510	2320	45.	-27.76	271.03	0.02114	0.01860	0.071823	0.09370	1.390944
750510	2321	5.	-28.80	270.31	0.00808	0.01460		0.31544	
750510	2321	15.	-29.32	269.64	-0.05228	0.01102		0.30441	
750510	2321	25.	-29.83	269.57	0.10600	0.00670		0.44890	
750510	2321	35.	-30.35	269.20	0.02719	0.00200		0.47586	
750510	2321	45.	-30.87	268.82	0.03199	0.00288	0.108062	0.47232	0.150491
750510	2321	55.	-31.38	268.44	0.02305	-0.00739		0.43696	
750510	2322	5.	-31.90	268.06	-0.01088	-0.01150		0.37331	
750510	2322	16.	-32.41	267.67	-0.09513	-0.01491		0.28695	
750510	2322	26.	-32.92	267.28	-0.07310	-0.01752		0.18801	
750510	2322	36.	-33.43	266.88	-0.12203	-0.01927		0.08937	
750510	2322	46.	-33.94	266.48	0.02330	-0.02021	0.064641	0.00355	-1.189129
750510	2322	56.	-34.45	266.08	-0.05241	-0.02041		0.06085	
750510	2323	6.	-34.96	265.67	0.05520	0.02003		0.10945	
750510	2323	16.	-35.46	265.25	-0.01180	-0.01925		0.11648	
750510	2323	26.	-35.97	264.84	0.02764	-0.01827		0.11371	
750510	2323	36.	-36.47	264.41	-0.01783	-0.01725	-0.007906	0.09832	-0.891382
750510	2323	46.	-36.97	263.99	0.03732	-0.01631		0.07666	
750510	2323	56.	-37.47	263.55	-0.00663	-0.01552		0.05403	
750510	2324	6.	-37.97	263.11	-0.23377	-0.01496		0.03348	
750510	2324	16.	-38.47	262.67	0.14059	-0.01465		0.01479	
750510	2324	26.	-38.97	262.22	0.04302	-0.01443		0.00907	
750510	2324	36.	-39.47	261.77	-0.05428	-0.01422	-0.024583	0.00690	
750510	2324	46.	-39.96	261.31	0.00031	-0.01395		0.00035	0.293464
750510	2324	56.	-40.45	260.84	0.03372	-0.01368		0.02138	
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750510	2325	26.	-41.92	259.40	-0.09210	-0.00981		0.16728	
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750510	2326	16.	-44.33	256.87	0.05631	0.00229		0.23935	
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750510	2326	36.	-45.27	255.80	0.02232	0.00608		0.12458	
750510	2326	46.	-45.75	255.26	-0.00846	0.00719	0.047681	0.05516	0.411634
750510	2326	56.	-46.21	254.70	-0.03291	0.00771		0.00112	
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750510	2327	56.	-48.97	251.19	-0.10411	0.00882		0.06972	
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750510	2328	26.	-50.32	249.29	0.06581	0.01452		0.32284	
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750510	2329	36.	-53.33	244.46	0.01882	0.03981		0.21803	
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GEOS-3 Revolution No. 439

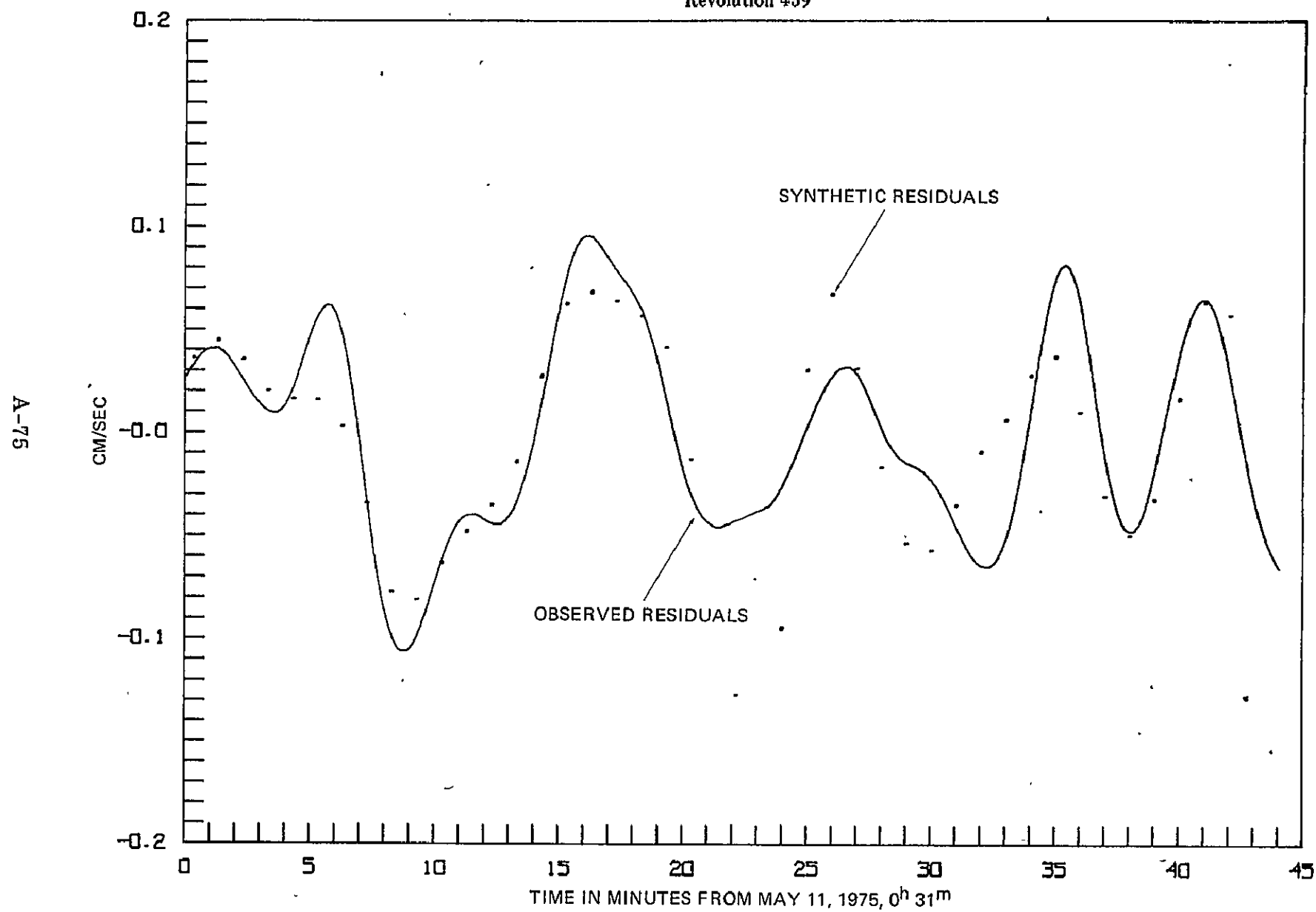
May 11, 1975, 0<sup>h</sup> 31<sup>m</sup>

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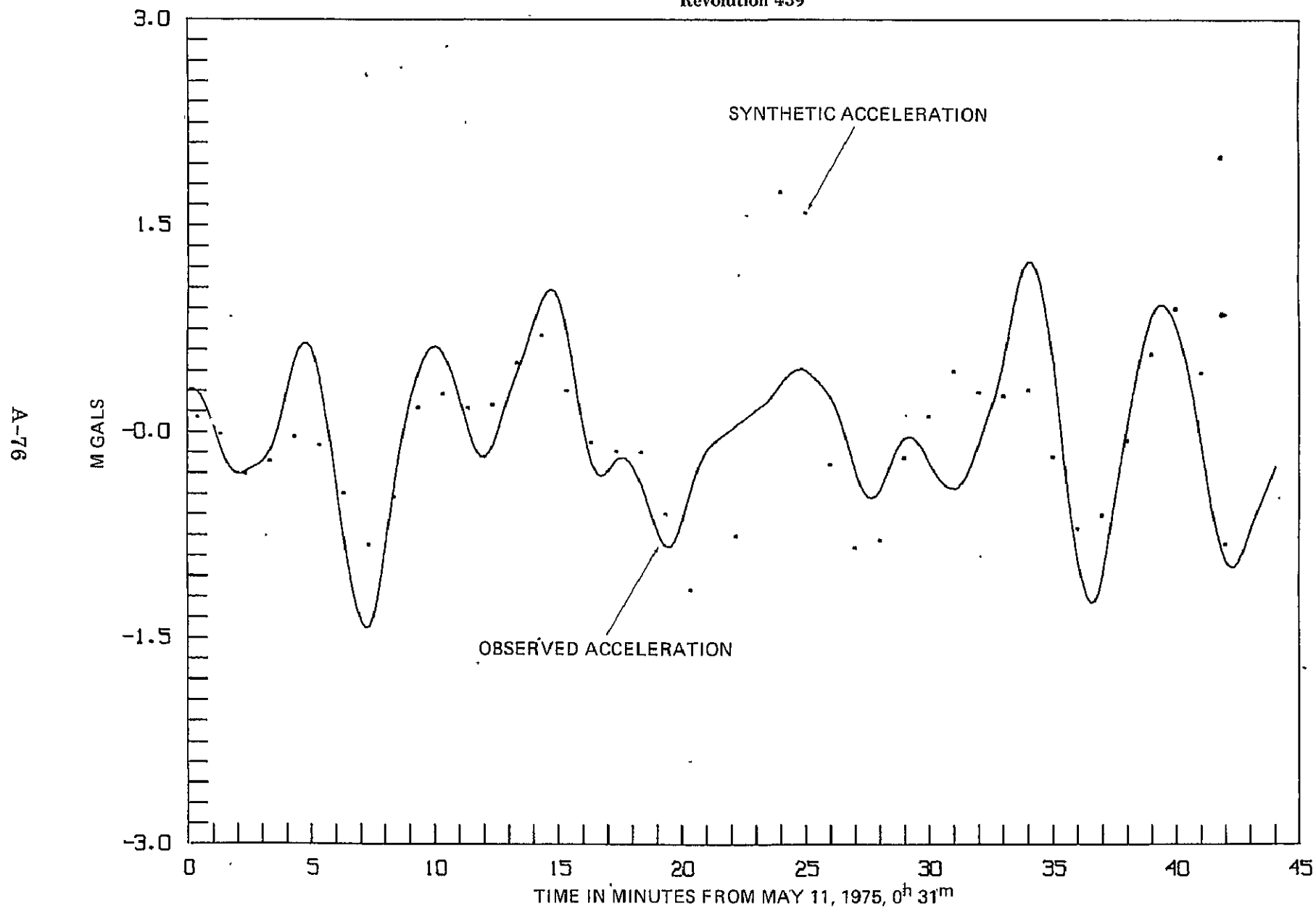
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 439



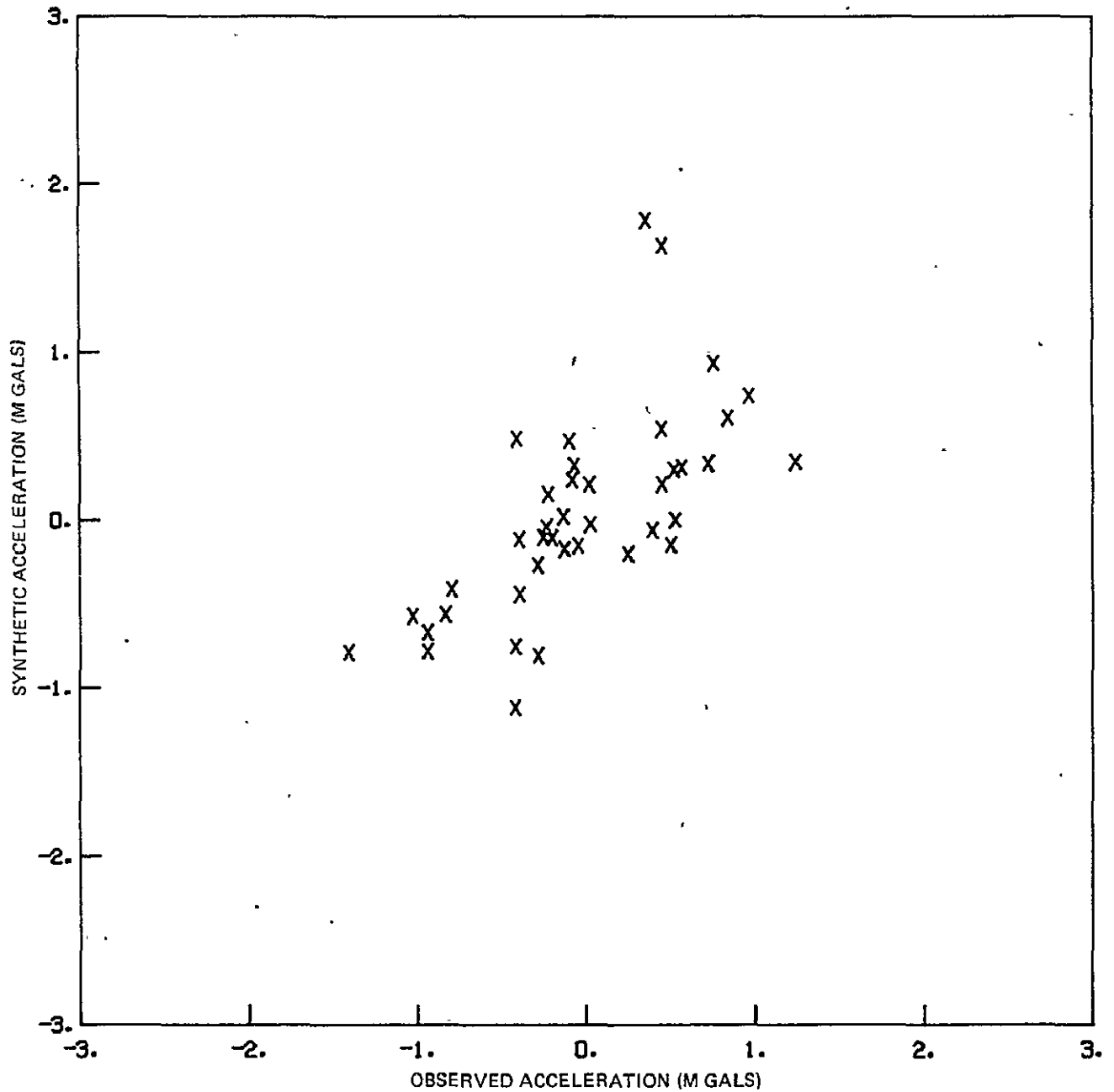
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 439



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 439



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 439



REVOLUTION 439

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750511	031	34.	62.89	332.37	0.00065	0.02706		0.31309	
750511	031	44.	62.66	331.15	-0.04487	0.03036		0.31339	
750511	031	54.	62.42	329.95	0.08112	0.03346	0.038379	0.29663	0.144767
750511	032	4.	62.17	328.77	-0.00023	0.03619		0.26080	
750511	032	14.	61.91	327.61	0.11581	0.03841		0.20576	
750511	032	24.	61.64	326.46	-0.00974	0.03999		0.13392	
750511	032	34.	61.37	325.34	0.01672	0.04080		0.04898	
750511	032	44.	61.08	324.23	0.21747	0.04081		-0.04269	
750511	032	54.	60.79	323.14	0.10963	0.04005	0.047065	-0.13072	0.018578
750511	033	4.	60.48	322.08	-0.07838	0.03856		-0.20464	
750511	033	14.	60.17	321.03	0.05401	0.03636		-0.25898	
750511	033	24.	59.86	320.00	0.03672	0.03364		-0.29236	
750511	033	34.	59.53	318.99	0.08283	0.03059		-0.30556	
750511	033	44.	59.20	318.00	-0.13025	0.02739		-0.30164	
750511	033	54.	58.86	317.02	0.02201	0.02412	0.037356	-0.28720	-0.270230
750511	034	4.	58.52	316.07	0.01089	0.02091		-0.26932	
750511	034	14.	58.16	315.13	-0.00009	0.01787		-0.25183	
750511	034	24.	57.81	314.21	0.07838	0.01507		-0.23467	
750511	034	34.	57.44	313.31	0.08632	0.01265		-0.21325	
750511	034	44.	57.07	312.42	0.14365	0.01073		-0.17980	
750511	034	54.	56.70	311.55	-0.27999	0.00942	0.022329	-0.12703	-0.174456
750511	035	4.	56.32	310.70	0.20504	0.00884		-0.05320	
750511	035	14.	55.93	309.86	0.15257	0.00927		0.04220	
750511	035	24.	55.54	309.04	-0.19708	0.01088		0.15944	
750511	035	34.	55.14	308.24	-0.03506	0.01363		0.29035	
750511	035	44.	54.74	307.45	-0.12635	0.01753		0.41955	
750511	035	54.	54.34	306.67	-0.01786	0.02246	0.018009	0.53013	0.000706
750511	036	4.	53.93	305.91	0.16241	0.02826		0.60880	
750511	036	14.	53.52	305.16	0.17784	0.03470		0.64978	
750511	036	24.	53.10	304.43	-0.21928	0.04136		0.65172	
750511	036	34.	52.68	303.71	0.00600	0.04766		0.61047	
750511	036	44.	52.25	303.00	0.20230	0.05321		0.52255	
750511	036	54.	51.82	302.31	0.17282	0.05768	0.017711	0.39237	-0.059269
750511	037	4.	51.39	301.62	0.04542	0.06068		0.22996	
750511	037	14.	50.95	300.95	0.08029	0.06185		0.04471	
750511	037	24.	50.51	300.30	-0.10775	0.06089		-0.15679	
750511	037	34.	50.07	299.65	0.21638	0.05762		-0.37013	
750511	037	44.	49.62	299.01	0.04353	0.05207		-0.58817	
750511	037	54.	49.18	298.39	0.14320	0.04426	0.005041	-0.80046	-0.412028
750511	038	4.	48.72	297.77	0.04269	0.03434		-0.99579	
750511	038	14.	48.27	297.17	-0.10147	0.02248		-1.16432	
750511	038	24.	47.81	296.57	0.07530	0.00902		-1.29915	
750511	038	34.	47.35	295.99	0.13008	-0.00556		-1.39264	
750511	038	44.	46.89	295.41	-0.01152	-0.02071	-0.032242	-1.43474	-0.790263
750511	038	54.	46.42	294.84	-0.05672	-0.03590		-1.41767	
750511	039	4.	45.95	294.29	-0.14365	-0.05059		-1.34016	
750511	039	14.	45.48	293.74	0.01305	-0.06424		-1.20782	
750511	039	24.	45.01	293.19	-0.19642	-0.07637		-1.03071	
750511	039	34.	44.54	292.66	-0.18622	-0.08665		-0.82362	
750511	039	44.	44.06	292.14	-0.21264	-0.09489	-0.075270	-0.60536	-0.442464
750511	039	54.	43.58	291.62	-0.11724	-0.10101		-0.39407	
750511	040	4.	43.10	291.11	-0.05432	-0.10477		-0.20229	
750511	040	14.	42.62	290.61	0.03830	-0.10687		-0.03438	
750511	040	24.	42.13	290.11	-0.23331	-0.10686		-0.11178	
750511	040	34.	41.65	289.62	0.03735	-0.10521		-0.23915	
750511	040	44.	41.16	289.14	-0.18143	-0.10212		-0.35045	
750511	040	54.	40.67	288.67	-0.12365	-0.09786	-0.079176	-2.44651	0.213425
750511	041	4.	40.18	288.20	-0.14991	-0.09265		0.52494	
750511	041	14.	39.68	287.73	-0.01771	-0.08673		0.58228	
750511	041	24.	39.19	287.28	0.21683	-0.08033		0.61594	
750511	041	34.	38.69	286.82	0.04587	-0.07373		0.62377	
750511	041	44.	38.19	286.38	-0.14534	-0.06715		0.60584	
750511	041	54.	37.70	285.94	0.06098	-0.06085	-0.060768	0.56845	0.313864
750511	042	4.	37.19	285.50	-0.04706	-0.05504		0.50349	
750511	042	14.	36.69	285.07	-0.17845	-0.04998		0.42676	
750511	042	24.	36.19	284.65	-0.06145	-0.04588		0.33545	
750511	042	34.	35.68	284.23	0.03127	-0.04283		0.23126	
750511	042	44.	35.18	283.81	0.01063	-0.04083		0.12056	
750511	042	54.	34.67	283.40	-0.04892	-0.03987	-0.045592	0.01321	0.210313
750511	043	4.	34.16	283.00	0.07170	-0.03982		-0.08003	
750511	043	14.	33.66	282.59	0.01245	-0.04049		-0.14836	
750511	043	24.	33.14	282.20	-0.17322	-0.04163		-0.18353	
750511	043	34.	32.63	281.80	0.01757	-0.04299		-0.18345	
750511	043	44.	32.12	281.41	-0.08550	-0.04423		-0.15010	
750511	043	54.	31.61	281.03	-0.07154	-0.04504	-0.032952	-0.08807	0.235681
750511	044	4.	31.09	280.66	0.07980	-0.04521		0.06477	
750511	044	14.	30.58	280.27	-0.08417	-0.04454		0.09066	
750511	044	24.	30.06	279.89	-0.17019	-0.04296		0.18871	
750511	044	34.	29.54	279.52	0.00563	-0.04042		0.28105	
750511	044	44.	29.03	279.15	0.05575	-0.03685		0.36486	
750511	044	54.	28.51	278.79	0.05323	-0.03218	-0.011701	0.44401	0.541509
750511	045	4.	27.99	278.43	0.04268	-0.02644		0.52548	
750511	045	14.	27.47	278.07	-0.14580	-0.01965		0.51435	
750511	045	24.	26.95	277.71	-0.03151	-0.01189		0.70946	
750511	045	34.	26.42	277.36	-0.02657	-0.00318		0.80486	
750511	045	44.	25.90	277.01	-0.04175	-0.00642		0.89302	
750511	045	54.	25.38	276.66	0.06883	0.01677	0.029847	0.96567	0.738226
750511	046	4.	24.85	276.32	-0.02086	0.02770		1.01626	
750511	046	14.	24.33	275.97	0.08880	0.03888		1.03793	

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REVOLUTION 439

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750511	046	24.	23.80	275.63	-0.19467	0.04954		1.02223	
750511	046	34.	23.28	275.30	0.16518	0.06044		0.96392	
750511	046	44.	22.75	274.96	0.16710	0.07007		0.86068	
750511	046	54.	22.23	274.63	0.07073	0.07850	0.064911	0.71921	0.336178
750511	047	4.	21.70	274.34	0.19963	0.08639		0.56039	
750511	047	14.	21.17	273.97	0.00698	0.09054		0.36740	
750511	047	24.	20.64	273.64	0.18333	0.09386		0.18350	
750511	047	34.	20.11	273.32	0.20320	0.09544		0.01251	
750511	047	44.	19.58	272.99	0.14699	0.09550		-0.13105	
750511	047	54.	19.05	272.67	0.02729	0.09429	0.070648	-0.23622	-0.042895
750511	048	4.	18.52	272.35	0.08305	0.09211		-0.29909	
750511	048	14.	17.99	272.04	0.08308	0.08934		-0.32206	
750511	048	24.	17.46	271.72	0.06435	0.08630		-0.31183	
750511	048	34.	16.93	271.41	0.02188	0.08323		-0.27894	
750511	048	44.	16.39	271.09	-0.04077	0.08027		-0.23725	
750511	048	54.	15.86	270.78	-0.03806	0.07743	0.065942	-0.20204	-0.108562
750511	049	5.	15.33	270.47	0.11846	0.07468		-0.18541	
750511	049	15.	14.79	270.16	0.13655	0.07196		-0.19252	
750511	049	25.	14.26	269.85	0.18564	0.06912		-0.22182	
750511	049	35.	13.73	269.55	0.05135	0.06596		-0.26801	
750511	049	45.	13.19	269.24	-0.00297	0.06225		-0.32688	
750511	049	55.	12.66	268.94	-0.04268	0.05778	0.058721	-0.39755	-0.115737
750511	050	5.	12.12	268.64	0.11862	0.05245		-0.48017	
750511	050	15.	11.59	268.34	0.16861	0.04625		-0.57112	
750511	050	25.	11.05	268.03	-0.07852	0.03920		-0.66198	
750511	050	35.	10.51	267.73	0.20423	0.03135		-0.74362	
750511	050	45.	9.98	267.44	-0.00308	0.02291		-0.80576	
750511	050	55.	9.44	267.14	0.10087	0.01409	0.043258	-0.83862	-0.562670
750511	051	5.	8.91	266.84	0.05775	0.00520		-0.83587	
750511	051	15.	8.37	266.54	-0.00588	-0.00350		-0.79655	
750511	051	25.	7.83	266.25	-0.05435	-0.01170		-0.72549	
750511	051	35.	7.29	265.95	-0.13247	-0.01919		-0.63162	
750511	051	45.	6.76	265.66	-0.04757	-0.02580		-0.52659	
750511	051	55.	6.22	265.36	-0.04020	-0.03141	-0.010969	-0.42208	-1.118078
750511	052	5.	5.68	265.07	0.01780	-0.03599		-0.32625	
750511	052	15.	5.15	264.78	-0.16563	-0.03958		-0.24405	
750511	052	25.	4.61	264.48	0.03987	-0.04232		-0.17853	
750511	052	35.	4.07	264.19	0.07693	-0.04434		-0.12989	
750511	052	45.	3.53	263.90	-0.10286	-0.04577		-0.09369	
750511	052	55.	2.99	263.61	-0.06661	-0.04681		-0.06532	
750511	055	45.	3.53	263.90			-0.125326		-0.722286
750511	055	5.	-4.00	259.82	-0.01761	-0.03527		0.23115	
750511	055	15.	-4.54	259.53	-0.09720	-0.03230		0.27283	
750511	055	25.	-5.08	259.24	-0.02182	-0.02896		0.31551	
750511	055	35.	-5.62	258.95	-0.01657	-0.02520	-0.092553	0.35634	1.782207
750511	055	45.	-6.15	258.65	0.02287	-0.02103		0.39351	
750511	055	55.	-6.69	258.36	-0.09263	-0.01648		0.42543	
750511	056	5.	-7.23	258.06	0.08107	-0.01164		0.44965	
750511	056	15.	-7.77	257.77	-0.19750	-0.00661		0.46351	
750511	056	25.	-8.30	257.47	-0.04967	-0.00156		0.46390	
750511	056	35.	-8.84	257.18	0.07078	0.00345	0.032611	0.44962	1.631059
750511	056	45.	-9.38	256.88	0.11574	0.00837		0.42448	
750511	056	55.	-9.91	256.58	0.00623	0.01311		0.39461	
750511	057	5.	-10.45	256.28	-0.04734	0.01752		0.36407	
750511	057	15.	-10.98	255.98	0.00493	0.02150		0.33214	
750511	057	25.	-11.52	255.68	0.04004	0.02497		0.29484	
750511	057	35.	-12.06	255.38	0.06834	0.02785	0.069528	0.24742	-0.202402
750511	057	45.	-12.59	255.08	0.02090	0.03004		0.18642	
750511	057	55.	-13.13	254.77	0.02489	0.03184		0.11053	
750511	058	5.	-13.66	254.47	-0.02741	0.03189		0.02037	
750511	058	15.	-14.19	254.16	0.13802	0.03132		0.02175	
750511	058	25.	-14.73	253.85	0.05403	0.02976		-0.18905	
750511	058	35.	-15.26	253.55	0.15460	0.02721	0.032871	-0.29129	-0.808451
750511	058	45.	-15.79	253.24	0.06992	0.03378		-0.37735	
750511	058	55.	-16.33	252.93	0.03232	0.01559		-0.44143	
750511	059	5.	-16.86	252.61	0.05423	0.01488		-0.47810	
750511	059	15.	-17.39	252.30	-0.03316	0.00992		-0.48626	
750511	059	25.	-17.92	251.98	-0.05364	0.00496		-0.46701	
750511	059	35.	-18.46	251.67	0.09403	0.00027	-0.015069	-0.42419	-0.754570
750511	059	45.	-18.99	251.35	-0.01288	-0.00392		-0.36216	
750511	059	55.	-19.52	251.03	-0.10126	-0.00748		-0.28668	
750511	1 0	6.	-20.05	250.70	-0.11674	-0.01039		-0.20747	
750511	1 0	16.	-20.58	250.38	0.03775	-0.01267		-0.13600	
750511	1 0	26.	-21.10	250.05	0.01446	-0.01435		-0.08086	
750511	1 0	36.	-21.63	249.72	-0.10921	-0.01558	-0.051797	-0.04644	-0.153257
750511	1 0	46.	-22.16	249.39	0.03577	-0.01657		-0.03499	
750511	1 0	56.	-22.69	249.06	0.20018	-0.01748		-0.04551	
750511	1 1	6.	-23.21	248.72	-0.29238	-0.01849		-0.07305	
750511	1 1	16.	-23.74	248.39	0.00164	-0.01989		-0.11468	
750511	1 1	26.	-24.27	248.05	0.13480	-0.02174		-0.16869	
750511	1 1	36.	-24.79	247.71	0.03034	-0.02405	-0.055379	-0.22794	0.152201
750511	1 1	46.	-25.31	247.36	-0.08109	-0.02666		-0.28367	
750511	1 1	56.	-25.84	247.01	-0.07383	-0.03021		-0.33066	
750511	1 2	6.	-26.36	246.66	-0.06248	-0.03405		-0.36829	
750511	1 2	16.	-26.88	246.31	0.02829	-0.03824		-0.39567	
750511	1 2	26.	-27.40	245.96	-0.09911	-0.04265		-0.41167	
750511	1 2	36.	-27.92	245.60	-0.05689	-0.04713	-0.033020	-0.41444	0.483301
750511	1 2	46.	-28.44	245.24	0.07083	-0.05149		-0.40195	
750511	1 2	56.	-28.96	244.87	-0.06113	-0.05551		-0.37954	
750511	1 3	6.	-29.48	244.50	-0.09384	-0.05903		-0.31779	
750511	1 3	16.	-30.00	244.13	-0.14317	-0.06195		-0.24612	
750511	1 3	26.	-30.51	243.76	-0.12133	-0.06413		-0.16201	
750511	1 3	36.	-31.03	243.38	-0.08147	-0.06547	-0.007231	-0.07324	0.321992
750511	1 3	46.	-31.54	243.00	-0.10470	-0.06587		0.01452	
750511	1 3	56.	-32.06	242.61	-0.01581	-0.06526		0.09949	
750511	1 4	6.	-32.57	242.22	0.03378	-0.06352		0.18492	



REVOLUTION 439

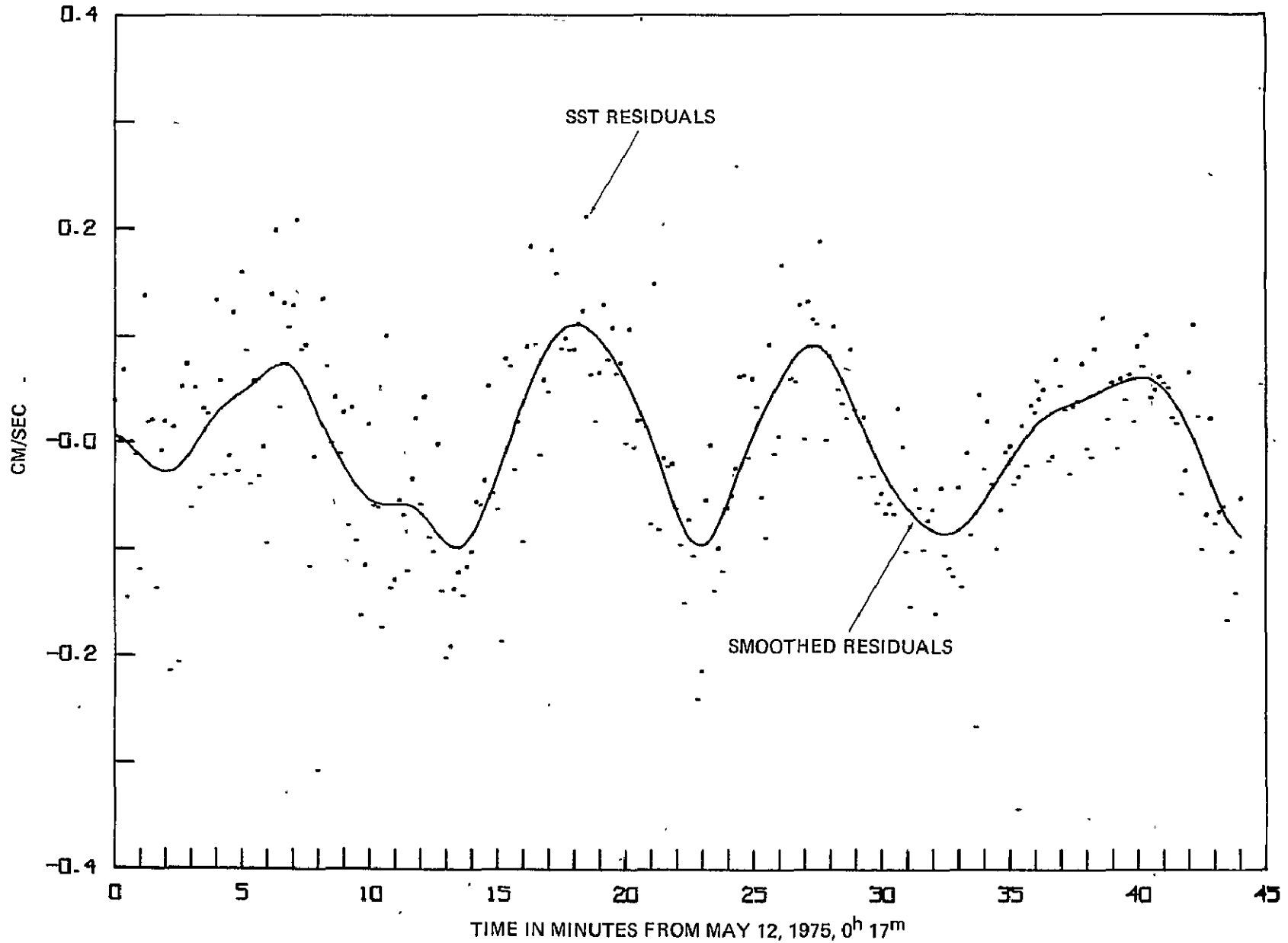
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750511	1 4	16.	-33.08	241.63	0.00948	-0.06055		0.27858	
750511	1 4	26.	-33.59	241.43	-0.02354	-0.05525		0.38879	
750511	1 4	36.	-34.10	241.03	-0.09901	-0.05053	0.008374	0.51968	0.298426
750511	1 4	46.	-34.61	240.63	-0.15219	-0.04335		0.66815	
750511	1 4	56.	-35.12	240.22	-0.04826	-0.03469		0.82388	
750511	1 5	6.	-35.62	239.80	-0.12617	-0.02460		0.97271	
750511	1 5	16.	-36.13	239.38	-0.08205	-0.01324		1.09948	
750511	1 5	26.	-36.63	238.96	0.04226	-0.00088		1.19043	
750511	1 5	36.	-37.13	238.53	0.08912	0.01216	0.030005	1.23688	0.346099
750511	1 5	46.	-37.63	238.09	0.00259	0.02541		1.23526	
750511	1 5	56.	-38.13	237.65	-0.08055	-0.05830		1.18355	
750511	1 6	6.	-38.63	237.21	0.07507	0.05026		1.07980	
750511	1 6	16.	-39.13	236.76	0.23201	0.06955		0.92568	
750511	1 6	26.	-39.62	236.30	0.07755	0.06963		0.72924	
750511	1 6	36.	-40.11	235.84	-0.05566	0.07815	0.039083	0.50067	-0.147375
750511	1 6	46.	-40.61	235.37	0.17842	0.08642		0.24344	
750511	1 6	56.	-41.10	234.90	0.17486	0.08127		-0.01718	
750511	1 7	6.	-41.58	234.42	0.15226	0.07573		-0.28199	
750511	1 7	16.	-42.07	233.93	0.04188	0.07548		-0.53177	
750511	1 7	26.	-42.55	233.44	0.04037	0.06869		-0.75566	
750511	1 7	36.	-43.04	232.93	0.01564	0.06962	0.011706	-0.94638	-0.671550
750511	1 7	46.	-43.52	232.43	0.13267	0.04873		-1.06759	
750511	1 7	56.	-44.00	231.91	0.13390	0.03656		-1.20133	
750511	1 8	6.	-44.47	231.39	0.14052	0.02370		-1.24837	
750511	1 8	16.	-44.95	230.85	-0.08429	0.01072		-1.23273	
750511	1 8	26.	-45.42	230.31	-0.15343	-0.00192		-1.15701	
750511	1 8	36.	-45.89	229.77	-0.07257	-0.01373	0.029053	-1.03324	-0.573221
750511	1 8	46.	-46.36	229.21	-0.07821	-0.02426		-0.87698	
750511	1 8	56.	-46.82	228.64	0.03827	-0.03313		-0.70196	
750511	1 9	6.	-47.29	228.07	-0.05404	-0.04008		-0.51797	
750511	1 9	16.	-47.75	227.49	-0.16095	-0.04504		-0.33176	
750511	1 9	26.	-48.21	226.89	0.07465	-0.04726		-0.14916	
750511	1 9	36.	-48.66	226.29	-0.02555	-0.04880	-0.048096	0.02715	-0.025662
750511	1 9	46.	-49.11	225.68	-0.07097	-0.04765		0.19719	
750511	1 9	56.	-49.56	225.05	0.06744	-0.04464		0.35938	
750511	110	6.	-50.01	224.42	-0.11160	-0.03992		0.50976	
750511	110	16.	-50.45	223.77	-0.03944	-0.03369		0.64285	
750511	110	26.	-50.89	223.12	0.01631	-0.02613	-0.030437	0.75363	
750511	110	36.	-51.33	222.45	-0.04498	-0.01748		0.83909	0.606669
750511	110	46.	-51.76	221.77	-0.02959	-0.00804		0.88715	
750511	110	56.	-52.19	221.08	0.01363	0.00186		0.92585	
750511	111	6.	-52.62	220.37	-0.00852	0.01193		0.92442	
750511	111	16.	-53.04	219.65	0.03465	0.02184		0.89353	
750511	111	26.	-53.46	218.92	0.13920	0.03131		0.83561	
750511	111	36.	-53.87	218.18	0.00510	0.04008	0.018607	0.75495	0.934132
750511	111	46.	-54.28	217.42	0.01839	0.04764		0.65500	
750511	111	56.	-54.68	216.65	0.04824	0.05435		0.53660	
750511	112	6.	-55.09	215.86	0.06273	0.05938		0.35986	
750511	112	16.	-55.48	215.06	0.00222	0.06275		0.24551	
750511	112	26.	-55.87	214.24	0.16172	0.06431	0.055789	0.07571	0.468096
750511	112	36.	-56.26	213.40	0.09210	0.06400		0.10437	
750511	112	46.	-56.64	212.56	0.06174	0.06179		-0.28666	
750511	112	56.	-57.02	211.69	0.07193	0.05767		-0.46284	
750511	113	6.	-57.39	210.81	0.15298	0.05179		-0.62451	
750511	113	16.	-57.75	209.91	0.00353	0.04434		-0.76308	
750511	113	26.	-58.11	208.99	-0.00505	0.03556		-0.87181	
750511	113	36.	-58.46	208.06	0.07726	0.02578	0.059064	-0.94690	-0.783669
750511	113	46.	-58.81	207.11	0.09448	0.01540		-0.98519	
750511	113	56.	-59.16	206.14	0.04250	0.00484		-0.92413	
750511	114	6.	-59.48	205.15	-0.10201	-0.00561		-0.94521	
750511	114	16.	-59.80	204.14	-0.16728	-0.01570		-0.87673	
750511	114	26.	-60.12	203.12	-0.11357	-0.02525		-0.79220	
750511	114	36.	-60.43	202.07	-0.01633	-0.03403		-0.70456	
750511	114	46.	-60.74	201.01	-0.02765	-0.04165		-0.62155	
750511	114	56.	-61.03	199.93	-0.10869	-0.04862		-0.54510	
750511	115	6.	-61.32	198.83	-0.03432	-0.05436		-0.47307	

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GEOS-3 Revolution No. 453

May 12, 1975, 0<sup>h</sup> 17<sup>m</sup>

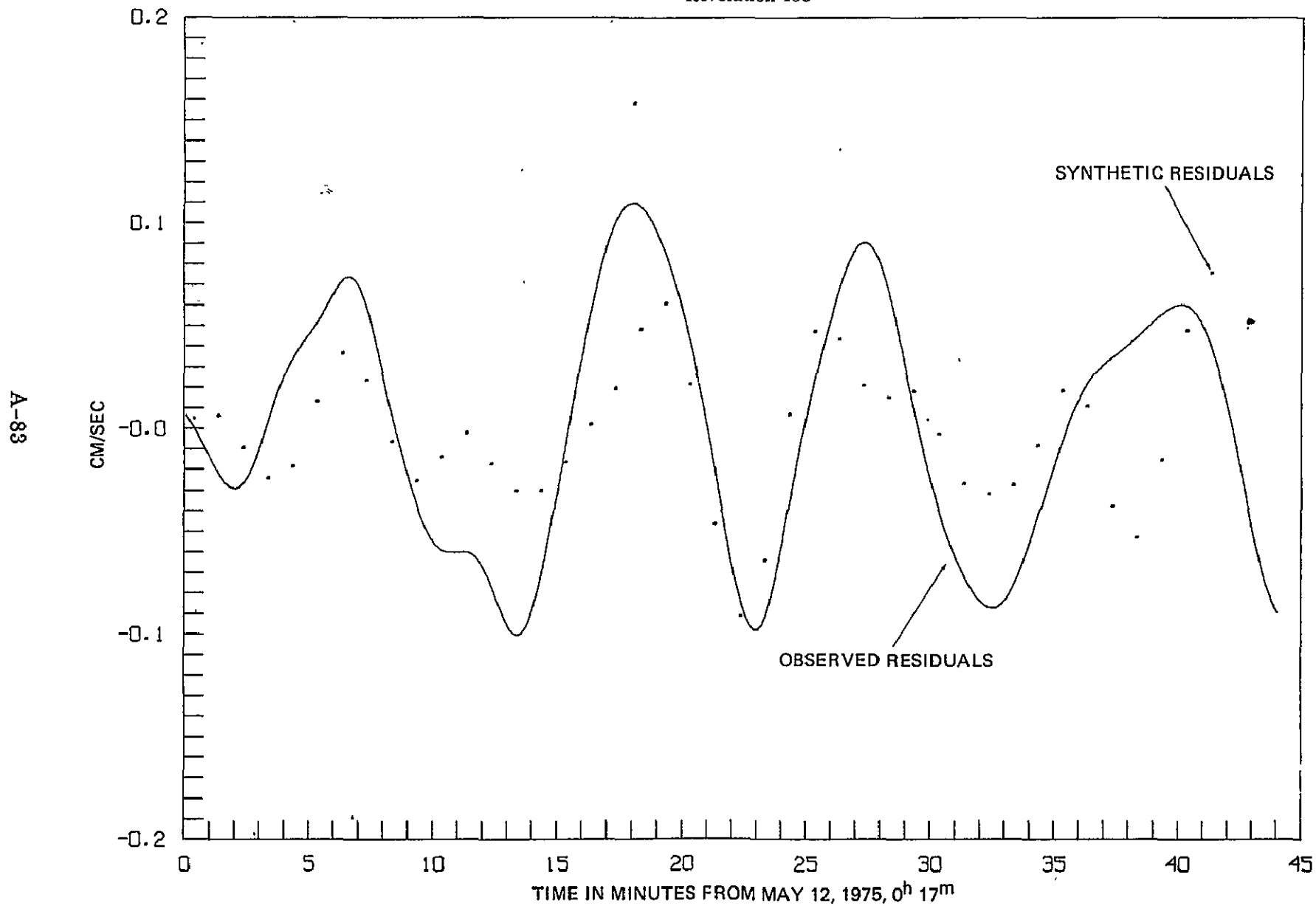
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 453



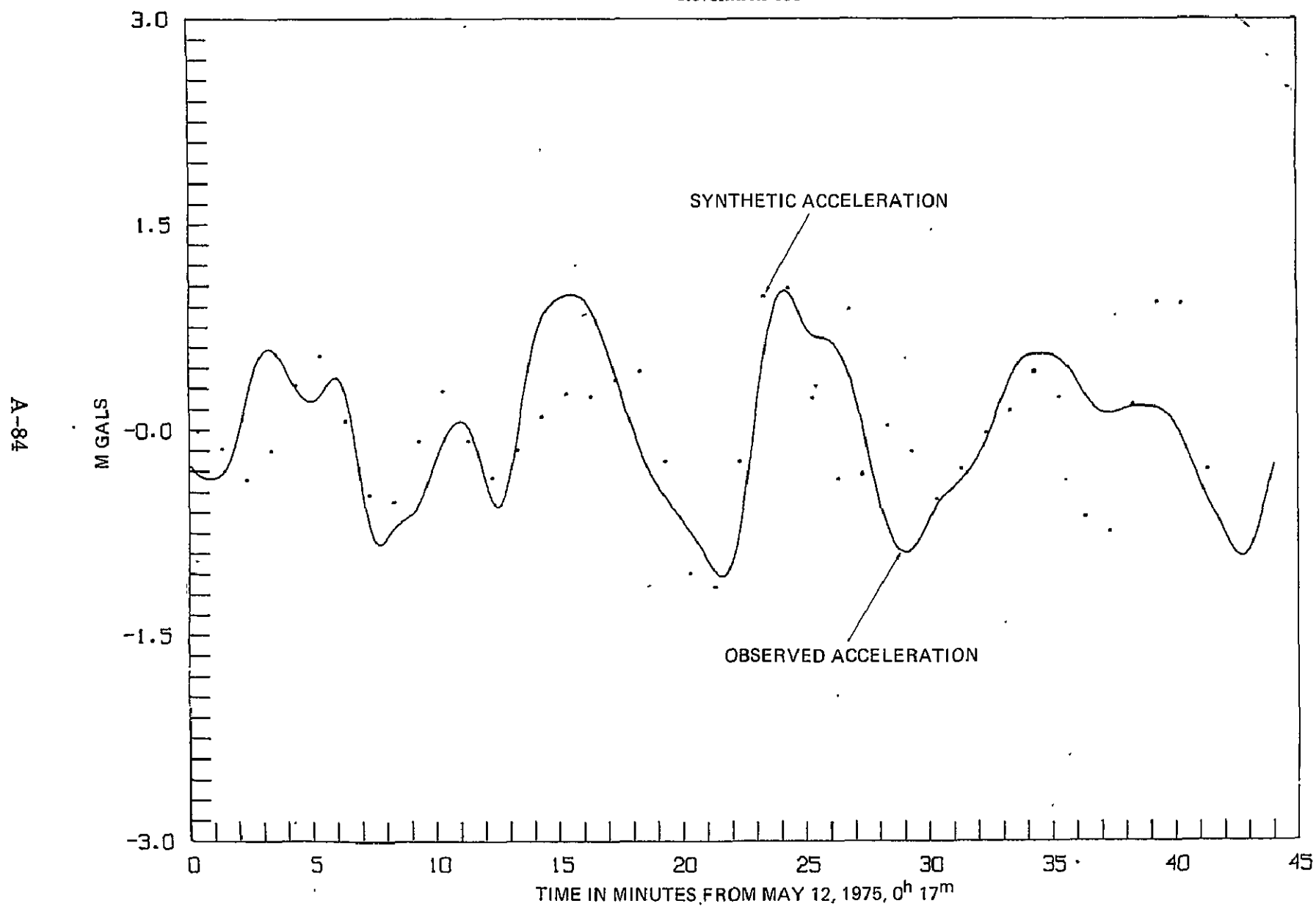
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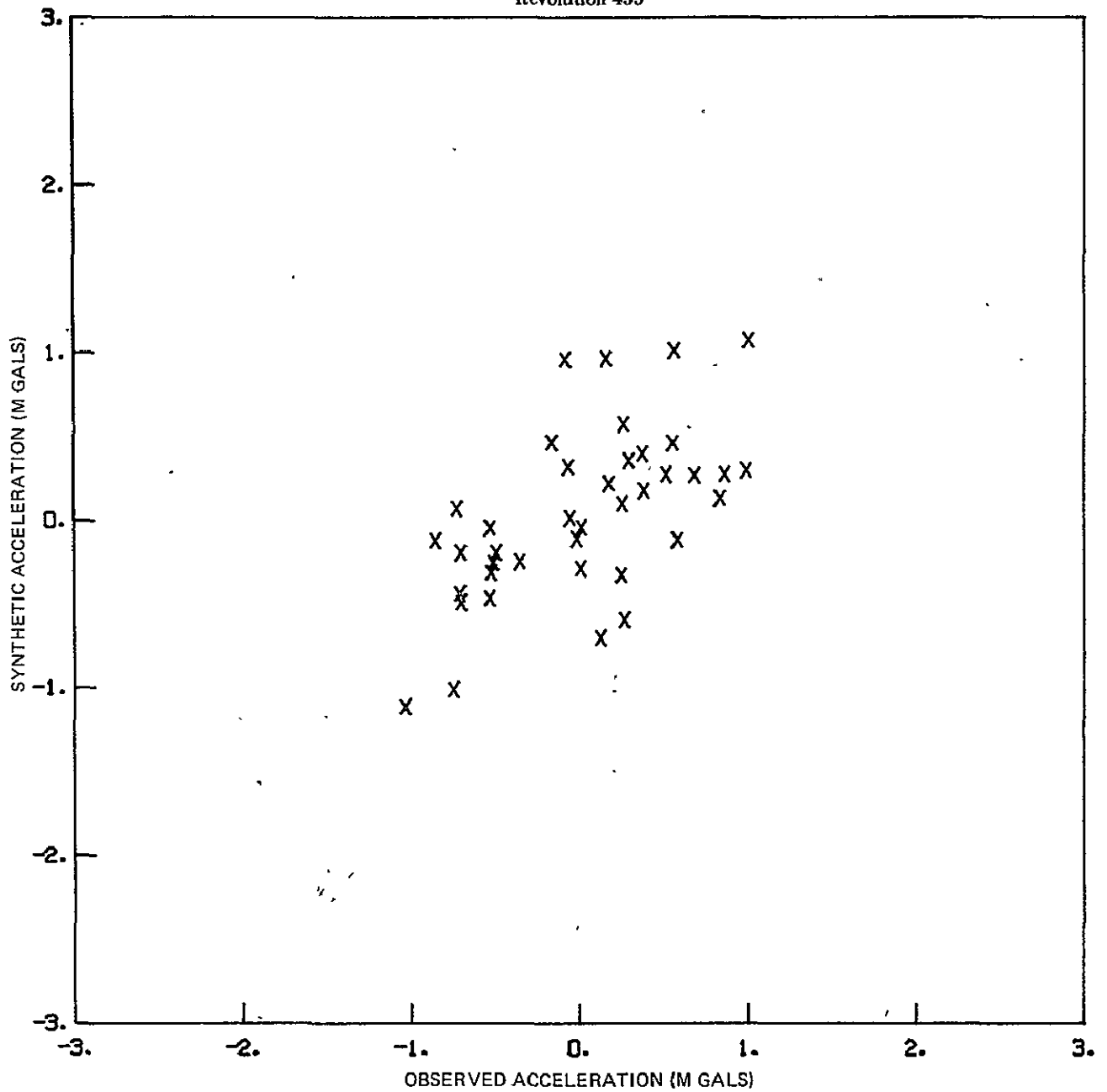
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 453



GEOS-3/ATS-6 SST Range Rate Residuals  
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Revolution 453



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 453



REVOLUTION 453

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750512	017	14	61.00	333.02	0.004391	0.00673		-0.26926	
750512	017	24	61.63	331.88	0.00447	0.00358		-0.30296	
750512	017	34	61.35	330.75	0.00289	0.00019		-0.32750	
750512	017	44	61.06	329.63	-0.014211	-0.00340		-0.34404	
750512	017	54	60.77	328.56	0.00465	-0.00717		-0.35312	
750512	018	4	60.47	327.49	-0.00788	-0.01108		-0.35564	
750512	018	14	60.16	326.45	-0.011564	-0.01502		-0.35152	
750512	018	24	59.84	325.42	-0.014233	-0.01886		-0.33991	
750512	018	34	59.51	324.41	0.02251	-0.02235	0.008857	-0.31565	-0.103365
750512	018	44	59.18	323.42	0.02521	-0.02530		-0.27274	
750512	018	54	58.84	322.45	-0.013327	-0.02754		-0.20589	
750512	019	4	58.50	321.49	-0.00384	-0.02893		-0.11535	
750512	019	14	58.15	320.55	0.02408	-0.02926		-0.00491	
750512	019	24	57.79	319.64	-0.021054	-0.02841		-0.11914	
750512	019	34	57.42	318.73	0.01853	-0.02637	-0.006927	0.24598	-0.328840
750512	019	44	57.05	317.85	-0.020266	-0.02319		0.36317	
750512	019	54	56.68	316.98	0.05671	-0.01808		0.45044	
750512	020	4	56.30	316.13	0.007819	-0.01388		0.52841	
750512	020	14	55.91	315.29	-0.05792	-0.00810		0.56982	
750512	020	24	55.52	314.47	-0.05605	-0.00194		0.58575	
750512	020	34	55.12	313.67	-0.03938	0.00435	-0.021879	0.57906	-0.118071
750512	020	44	54.72	312.88	0.03596	0.01052		0.55306	
750512	020	54	54.32	312.11	0.03070	0.01639		0.51149	
750512	021	4	53.91	311.34	-0.02778	0.02183		0.45896	
750512	021	14	53.50	310.60	0.13807	0.02674		0.40048	
750512	021	24	53.08	309.87	0.06177	0.03114		0.34251	
750512	021	34	52.66	309.15	-0.02698	0.03502	-0.015808	0.29146	0.357076
750512	021	44	52.23	308.44	-0.00813	0.03840		0.25060	
750512	021	54	51.80	307.75	0.12672	0.04140		0.22108	
750512	022	4	51.37	307.06	-0.02319	0.04419		0.20486	
750512	022	14	50.93	306.39	0.16402	0.04692		0.20407	
750512	022	24	50.49	305.74	0.09035	0.04978		0.22054	
750512	022	34	50.05	305.09	-0.03513	0.05288	0.015812	0.25222	0.574313
750512	022	44	49.60	304.45	0.06212	0.05623		0.29923	
750512	022	54	49.15	303.83	-0.02833	0.05983		0.34467	
750512	023	4	48.70	303.21	-0.00651	0.06353		0.37626	
750512	023	14	48.24	302.61	-0.09106	0.06709		0.37841	
750512	023	24	47.79	302.01	0.14373	0.07020		0.33789	
750512	023	34	47.33	301.43	0.20311	0.07256	0.039217	0.24960	0.096919
750512	023	44	46.86	300.85	0.03683	0.07385		0.11842	
750512	023	54	46.40	300.29	0.13558	0.07368		-0.04546	
750512	024	4	45.93	299.73	0.11218	0.07184		-0.22838	
750512	024	14	45.46	299.18	0.13315	0.06828		-0.41344	
750512	024	24	44.99	298.64	-0.21247	0.06308		-0.58199	
750512	024	34	44.51	298.11	0.09095	0.05650	0.026224	-0.71572	-0.441390
750512	024	44	44.04	297.58	0.09584	0.04884		-0.80155	
750512	024	54	43.56	297.07	-0.11255	0.04045		-0.83587	
750512	025	4	43.08	296.56	-0.09933	0.03162		-0.82648	
750512	025	14	42.59	296.06	-0.30379	0.02265		-0.78976	
750512	025	24	42.11	295.56	0.13931	0.01372		-0.74555	
750512	025	34	41.62	295.07	0.07571	0.00509	-0.004037	-0.70766	-0.494057
750512	025	44	41.13	294.59	0.00314	0.00316		-0.67950	
750512	025	54	40.64	294.12	0.04687	-0.01103		-0.65886	
750512	026	4	40.15	293.65	-0.00670	-0.01854		-0.64031	
750512	026	14	39.66	293.18	0.03262	-0.02565		-0.61711	
750512	026	24	39.16	292.73	-0.07399	-0.03231		-0.58293	
750512	026	34	38.67	292.28	0.03747	-0.03842	-0.023055	-0.53369	-0.646330
750512	026	44	38.17	291.83	-0.08851	-0.04387		-0.46799	
750512	026	54	37.67	291.39	-0.15845	-0.04859		-0.38836	
750512	027	4	37.17	290.96	-0.11126	-0.05253		-0.34152	
750512	027	14	36.67	290.53	0.02140	-0.05563		-0.21668	
750512	027	24	36.16	290.10	-0.05579	-0.05786		-0.13769	
750512	027	34	35.66	289.68	-0.05746	-0.05928	-0.011265	-0.06771	0.317976
750512	027	44	35.15	289.27	-0.16989	-0.06003		-0.00969	
750512	027	54	34.65	288.86	0.10484	-0.06027		0.03232	
750512	028	4	34.14	288.45	-0.13323	-0.06012		0.05849	
750512	028	14	33.63	288.05	-0.12496	-0.05986		0.06534	
750512	028	24	33.12	287.65	-0.04996	-0.05973		-0.04573	
750512	028	34	32.61	287.26	-0.06451	-0.05996	0.000583	-0.00887	-0.043677
750512	028	44	32.10	286.87	-0.11710	-0.06079		-0.05747	
750512	028	54	31.58	286.48	-0.02992	-0.06243		-0.14687	
750512	029	4	31.07	286.10	0.02728	-0.06499		-0.25235	
750512	029	14	30.55	285.72	-0.05487	-0.06847		-0.36153	
750512	029	24	30.04	285.35	0.04720	-0.07280		-0.45927	
750512	029	34	29.52	284.98	-0.08554	-0.07777	-0.014708	-0.52992	-0.315419
750512	029	44	29.00	284.61	-0.09860	-0.08310		-0.56051	
750512	029	54	28.48	284.24	0.00288	-0.08837		-0.54295	
750512	030	4	27.96	283.88	-0.13563	-0.09312		-0.47359	
750512	030	14	27.44	283.52	-0.19843	-0.09693		-0.35526	
750512	030	24	26.92	283.17	-0.18662	-0.09944		-0.19854	
750512	030	34	26.40	282.82	-0.13308	-0.10036	-0.027768	-0.01871	-0.112194
750512	030	44	25.88	282.47	-0.11758	-0.09949		0.16850	
750512	030	54	25.35	282.12	-0.14033	-0.09677		0.34923	
750512	031	4	24.83	281.77	-0.11208	-0.09227		0.51203	
750512	031	14	24.31	281.43	-0.09851	-0.08618		0.64670	
750512	031	24	23.78	281.09	-0.05117	-0.07872		0.75523	
750512	031	34	23.25	280.75	-0.05510	-0.07014	-0.027405	0.83218	0.129347
750512	031	44	22.73	280.42	-0.03113	-0.06968		0.88398	
750512	031	54	22.20	280.09	0.05798	-0.06055		0.91767	

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REVOLUTION 453

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750512	032	4.	21.67	279.76	-0.04409	-0.03991		0.94153	
750512	032	14.	21.14	279.43	-0.05934	-0.02893		0.96143	
750512	032	24.	20.62	279.10	-0.18270	-0.01778		0.97829	
750512	032	34.	20.09	278.78	-0.08313	-0.00656	-0.013728	0.98869	0.296807
750512	032	44.	19.56	278.46	-0.07562	0.00474		0.99089	
750512	032	54.	19.03	278.13	-0.02210	0.01603		0.98551	
750512	033	4.	18.50	277.81	0.02358	0.02718		0.97217	
750512	033	14.	17.96	277.49	0.08976	0.03804		0.94836	
750512	033	24.	17.43	277.18	0.09481	0.04848		0.91058	
750512	033	34.	16.90	276.86	0.18781	0.05843	0.004708	0.85801	0.273309
750512	033	44.	16.37	276.55	0.09567	0.06782		0.79441	
750512	033	54.	15.84	276.24	-0.00819	0.07648		0.72377	
750512	034	4.	15.30	275.93	0.06331	0.08427		0.64656	
750512	034	14.	14.77	275.62	0.05100	0.09108		0.56145	
750512	034	24.	14.24	275.31	0.18432	0.05688		0.46805	
750512	034	34.	13.70	275.01	0.16170	0.10167	0.022346	0.36923	0.397586
750512	034	45.	13.17	274.70	0.09188	0.10541		0.26589	
750512	034	55.	12.63	274.40	0.10205	0.10807		0.17361	
750512	035	5.	12.10	274.10	0.09074	0.10965		0.08174	
750512	035	15.	11.56	273.80	0.09194	0.11018		-0.00585	
750512	035	25.	11.03	273.49	0.11622	0.10920		-0.08965	
750512	035	35.	10.49	273.20	0.12831	0.10831	0.051289	-0.16928	0.465714
750512	035	45.	9.95	272.90	0.21560	0.10609		-0.24278	
750512	035	55.	9.42	272.60	0.06751	0.09312		-0.30122	
750512	036	5.	8.88	272.30	0.02350	0.09943		-0.36205	
750512	036	15.	8.34	272.00	0.07943	0.09506		-0.41024	
750512	036	25.	7.81	271.71	0.13390	0.09007		-0.45570	
750512	036	35.	7.27	271.41	0.08129	0.08453	0.063609	-0.50038	-0.197218
750512	036	45.	6.73	271.12	0.11266	0.07849		-0.54457	
750512	036	55.	6.20	270.82	0.06829	0.07195		-0.58785	
750512	037	5.	5.66	270.53	0.07943	0.06492		-0.62984	
750512	037	15.	5.12	270.24	0.00268	0.05739		-0.67093	
750512	037	25.	4.58	269.95	0.11105	0.04935		-0.71235	
750512	037	35.	4.05	269.65	-0.00091	0.04081	0.024578	-0.75506	-1.012390
750512	037	45.	3.51	269.36	0.02484	0.03173		-0.79994	
750512	037	55.	2.97	269.07	0.02489	0.02211		-0.84793	
750512	038	5.	2.43	268.78	0.01809	0.01193		-0.88886	
750512	038	15.	1.89	268.49	-0.07290	0.00120		-0.95106	
750512	038	25.	1.36	268.20	0.15306	-0.01001		-1.00126	
750512	038	35.	0.82	267.91	0.07015	-0.02157	0.043631	-1.04260	-1.115208
750512	038	45.	0.28	267.61	-0.01042	-0.03335		-1.06723	
750512	038	55.	-0.26	267.32	-0.01877	-0.04511		-1.06759	
750512	039	5.	-0.80	267.03	-0.01578	-0.05623		-1.03649	
750512	039	15.	-1.34	266.74	-0.05869	-0.06726		-0.96770	
750512	039	25.	-1.87	266.45	-0.09286	-0.07692		-0.85779	
750512	039	35.	-2.41	266.16	-0.14651	-0.08514	-0.088781	-0.70758	-0.194722
750512	039	45.	-2.95	265.87	-0.06799	-0.09157		-0.52220	
750512	039	55.	-3.49	265.58	-0.10293	-0.09590		-0.30966	
750512	040	5.	-4.03	265.28	-0.23660	-0.09794		-0.08073	
750512	040	15.	-4.56	264.99	-0.20923	-0.09767		0.15006	
750512	040	25.	-5.10	264.70	-0.04980	-0.09510	-0.061269	0.36743	1.012196
750512	040	35.	-5.64	264.41	0.00175	-0.09032		0.56985	
750512	040	45.	-6.18	264.11	-0.13550	-0.08354		0.72531	
750512	040	55.	-6.71	263.82	-0.09482	-0.07514		0.85711	
750512	041	5.	-7.25	263.52	-0.11715	-0.06550		0.95225	
750512	041	15.	-7.79	263.23	-0.05748	-0.06603		1.00764	
750512	041	25.	-8.33	262.93	-0.04563	-0.04413		1.02287	
750512	041	35.	-8.86	262.64	-0.02006	-0.03314	0.009741	1.00147	1.072027
750512	041	45.	-9.40	262.34	0.06657	-0.02234		0.95126	
750512	041	55.	-9.94	262.04	0.06753	-0.01192		0.88411	
750512	042	5.	-10.47	261.74	-0.01091	-0.00202		0.81364	
750512	042	15.	-11.01	261.44	0.06477	0.00732		0.75139	
750512	042	25.	-11.54	261.14	0.03675	0.01617	0.050072	0.70530	0.266729
750512	042	35.	-12.08	260.84	-0.04266	0.02459		0.67862	
750512	042	45.	-12.61	260.54	-0.08574	0.03266		0.66815	
750512	042	55.	-13.15	260.23	0.09652	0.04046		0.66558	
750512	043	5.	-13.68	259.93	-0.00711	0.04808		0.66230	
750512	043	15.	-14.22	259.62	0.00969	0.05548		0.65087	
750512	043	25.	-14.75	259.32	0.17045	0.06258		0.62538	
750512	043	35.	-15.28	259.00			0.046000		-0.325996
750512	043	45.	-15.82	258.70	0.06332	0.07544		0.52599	
750512	043	55.	-16.35	258.39	0.06095	0.08079		0.46217	
750512	044	5.	-16.88	258.07	0.13367	0.08517		0.36201	
750512	044	15.	-17.42	257.76	0.00705	0.08842		0.25594	
750512	044	25.	-17.95	257.44	0.13674	0.09037		0.21348	
750512	044	35.	-18.48	257.13	0.11969	0.09093	0.023567	0.00115	-0.287992
750512	044	45.	-19.01	256.81	0.11505	0.09004		-0.13986	
750512	044	55.	-19.54	256.48	0.19206	0.08767		-0.28122	
750512	045	5.	-20.07	256.16	0.00599	0.08387		-0.41555	
750512	045	15.	-20.60	255.84	0.08556	0.07865		-0.53750	
750512	045	25.	-21.13	255.51	0.11335	0.07217		-0.64421	
750512	045	35.	-21.66	255.18	0.05331	0.06460	0.017796	-0.73312	0.068836
750512	045	45.	-22.18	254.85	0.03999	0.05813		-0.80230	
750512	045	55.	-22.71	254.52	0.02613	0.04696		-0.85239	
750512	046	5.	-23.24	254.18	0.09221	0.03732		-0.88298	
750512	046	16.	-23.76	253.85	0.03399	0.02745		-0.89422	
750512	046	26.	-24.29	253.51	-0.02955	0.01754		-0.88619	
750512	046	36.	-24.81	253.16	0.02836	0.00776	-0.020719	-0.86068	-0.122835
750512	046	46.	-25.34	252.82	0.00494	-0.00169		-0.82042	
750512	046	56.	-25.86	252.47	-0.02832	-0.01069		-0.76845	
750512	047	6.	-26.38	252.12	-0.05336	-0.01915		-0.70896	
750512	047	16.	-26.91	251.77	-0.04376	-0.02703		-0.64727	
750512	047	26.	-27.43	251.41	-0.06308	-0.03433		-0.58885	
750512	047	36.	-27.95	251.06	-0.05321	-0.04107	-0.000047	-0.53811	-0.469647
750512	047	46.	-28.47	250.69	-0.06344	-0.04731		-0.49749	
750512	047	56.	-28.99	250.33	-0.03636	-0.05308		-0.46645	
750512	048	6.	-29.50	249.96	-0.00034	-0.05840		-0.44103	



REVOLUTION 453

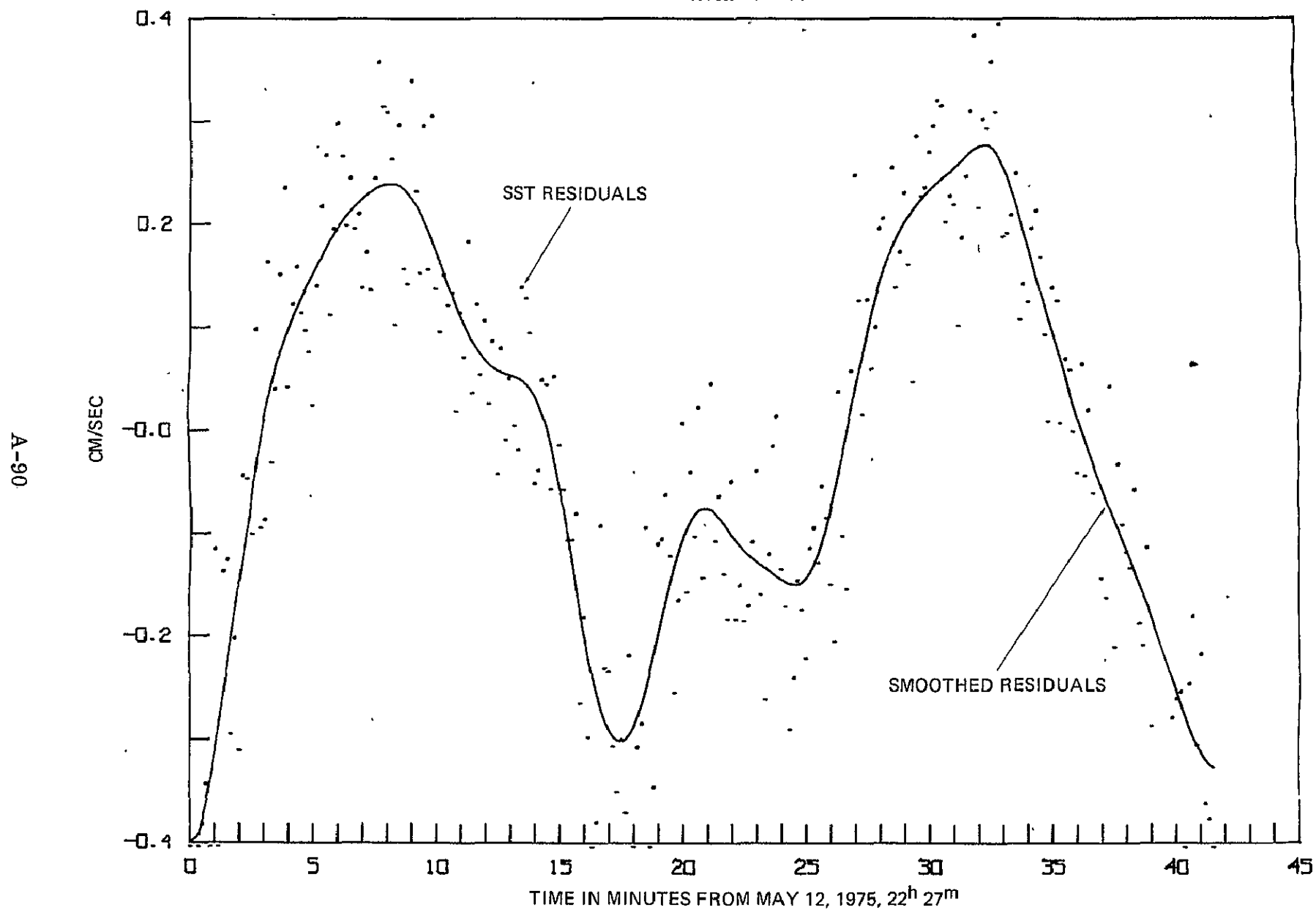
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750512	048	16.	-30.02	249.59	-0.09882	-0.06332		-0.41573	
750512	048	29.	-30.54	249.22	-0.15050	-0.06791		-0.38737	
750512	048	36.	-31.05	248.84	-0.03935	-0.07215	-0.024297	-0.35578	-0.249374
750512	048	46.	-31.57	248.46	-0.05734	-0.07599		-0.32097	
750512	048	56.	-32.08	248.07	-0.09710	-0.07937		-0.28161	
750512	049	6.	-32.59	247.68	-0.06897	-0.08223		-0.23639	
750512	049	16.	-33.10	247.29	-0.05866	-0.08451		-0.18423	
750512	049	26.	-33.61	246.89	-0.15671	-0.08614		-0.12463	
750512	049	36.	-34.12	246.49	-0.03848	-0.08706	-0.029112	-0.05806	0.013897
750512	049	46.	-34.63	246.08	-0.10225	-0.08721		-0.01858	
750512	049	56.	-35.14	245.67	-0.11452	-0.08654		0.09036	
750512	050	6.	-35.64	245.26	-0.12226	-0.08505		0.16803	
750512	050	16.	-36.15	244.84	-0.13277	-0.08273		0.24393	
750512	050	26.	-36.65	244.41	-0.13754	-0.07960		0.31566	
750512	050	36.	-37.15	243.98	-0.09514	-0.07521	-0.024656	0.38143	0.175838
750512	050	46.	-37.65	243.55	-0.08256	-0.07113		0.43960	
750512	050	56.	-38.15	243.11	-0.26203	-0.06641		0.48802	
750512	051	6.	-38.65	242.66	-0.04908	-0.06050		0.52268	
750512	051	16.	-39.15	242.21	-0.02143	-0.05462		0.54217	
750512	051	26.	-39.64	241.76	-0.02461	-0.04847		0.55046	
750512	051	36.	-40.14	241.29	-0.03534	-0.04214	-0.005560	0.55300	0.460352
750512	051	46.	-40.63	240.83	-0.09601	-0.03574		0.55385	
750512	051	56.	-41.12	240.35	-0.05912	-0.02936		0.55358	
750512	052	6.	-41.61	239.87	-0.00457	-0.02304		0.55058	
750512	052	16.	-42.09	239.38	0.00113	-0.01680		0.54340	
750512	052	26.	-42.58	238.89	-0.03562	-0.01069		0.53114	
750512	052	36.	-43.06	238.38	-0.02798	-0.00479	0.021124	0.51255	0.271751
750512	052	46.	-43.54	237.88	0.02005	0.00081		0.48610	
750512	052	56.	-44.02	237.36	-0.01804	0.00606		0.45121	
750512	053	6.	-44.50	236.84	0.03904	0.01089		0.40853	
750512	053	16.	-44.97	236.30	0.03227	0.01526		0.36012	
750512	053	26.	-45.44	235.76	0.04541	0.01914		0.30953	
750512	053	36.	-45.91	235.21	0.05423	0.02254	0.013477	0.26076	-0.595510
750512	053	46.	-46.38	234.66	0.01401	0.02546		0.21720	
750512	053	56.	-46.85	234.09	-0.00852	0.02792		0.18086	
750512	054	6.	-47.31	233.52	0.08219	0.03002		0.15176	
750512	054	16.	-47.77	232.93	0.05726	0.03186		0.13090	
750512	054	26.	-48.23	232.34	0.03447	0.03354		0.11965	
750512	054	36.	-48.68	231.74	-0.02605	0.03510	-0.035142	0.11787	-0.703009
750512	054	46.	-49.13	231.12	0.03867	0.03662		0.12325	
750512	054	56.	-49.58	230.50	0.04322	0.03817		0.13274	
750512	055	6.	-50.03	229.86	0.07767	0.03980		0.14416	
750512	055	16.	-50.47	229.22	-0.00204	0.04153		0.15591	
750512	055	26.	-50.91	228.56	-0.01039	0.04332		0.16591	
750512	055	36.	-51.35	227.89	0.09291	0.04517	-0.050297	0.17162	0.218851
750512	055	46.	-51.78	227.21	0.05107	0.04707		0.17236	
750512	055	56.	-52.21	226.52	0.12171	0.04900		0.16980	
750512	056	6.	-52.64	225.81	0.02523	0.05056		0.16639	
750512	056	16.	-53.06	225.09	0.06109	0.05288		0.16355	
750512	056	26.	-53.48	224.36	0.00127	0.05473		0.16029	
750512	056	36.	-53.89	223.61	0.06461	0.05643	-0.012405	0.15376	0.964453
750512	056	46.	-54.30	222.86	0.04425	0.05795		0.14043	
750512	056	56.	-54.70	222.08	0.06843	0.05921		0.11743	
750512	057	6.	-55.10	221.29	0.02332	0.06009		0.08271	
750512	057	16.	-55.50	220.49	0.09491	0.06050		0.03528	
750512	057	26.	-55.89	219.67	0.07585	0.06033	0.050401	-0.02406	0.958230
750512	057	36.	-56.28	218.84	0.10569	0.05949		-0.09244	
750512	057	46.	-56.66	217.99	0.04613	0.05792		-0.16695	
750512	057	56.	-57.03	217.12	0.05425	0.05555		-0.24141	
750512	058	6.	-57.40	216.24	0.06619	0.05235		-0.31614	
750512	058	16.	-57.77	215.34	0.06027	0.04835		-0.38829	
750512	058	26.	-58.13	214.42	0.05536	0.04355		-0.45647	
750512	058	36.	-58.48	213.49	0.02718	0.03798	0.078427	-0.52021	-0.255782
750512	058	46.	-58.82	212.53	0.02183	0.03165		-0.58049	
750512	058	56.	-59.16	211.56	-0.04466	0.02457		-0.63961	
750512	059	6.	-59.49	210.58	0.02188	0.01672		-0.70938	
750512	059	16.	-59.82	209.57	0.07052	0.00817		-0.76375	
750512	059	26.	-60.14	208.54	0.11515	-0.00098		-0.82583	
750512	059	36.	-60.45	207.50	0.02839	-0.01050		-0.87809	
750512	059	46.	-60.75	206.43	-0.09621	-0.02059		-0.91191	
750512	059	56.	-61.05	205.35	-0.06320	-0.03077		-0.92232	
750512	1 0	6.	-61.33	204.25	0.02704	-0.04087		-0.90753	
750512	1 0	16.	-61.61	203.13	-0.07251	-0.05059		-0.86660	
750512	1 0	26.	-61.88	201.98	-0.06037	-0.05966		-0.79989	
750512	1 0	36.	-62.14	200.82	-0.05615	-0.06789		-0.71052	
750512	1 0	46.	-62.39	199.65	-0.16232	-0.07510		-0.60353	
750512	1 0	56.	-62.63	198.45	-0.09755	-0.08119		-0.48561	
750512	1 1	6.	-62.87	197.23	-0.13746	-0.08609		-0.36511	
750512	1 1	16.	-63.09	196.00	-0.04790	-0.08980		-0.24946	

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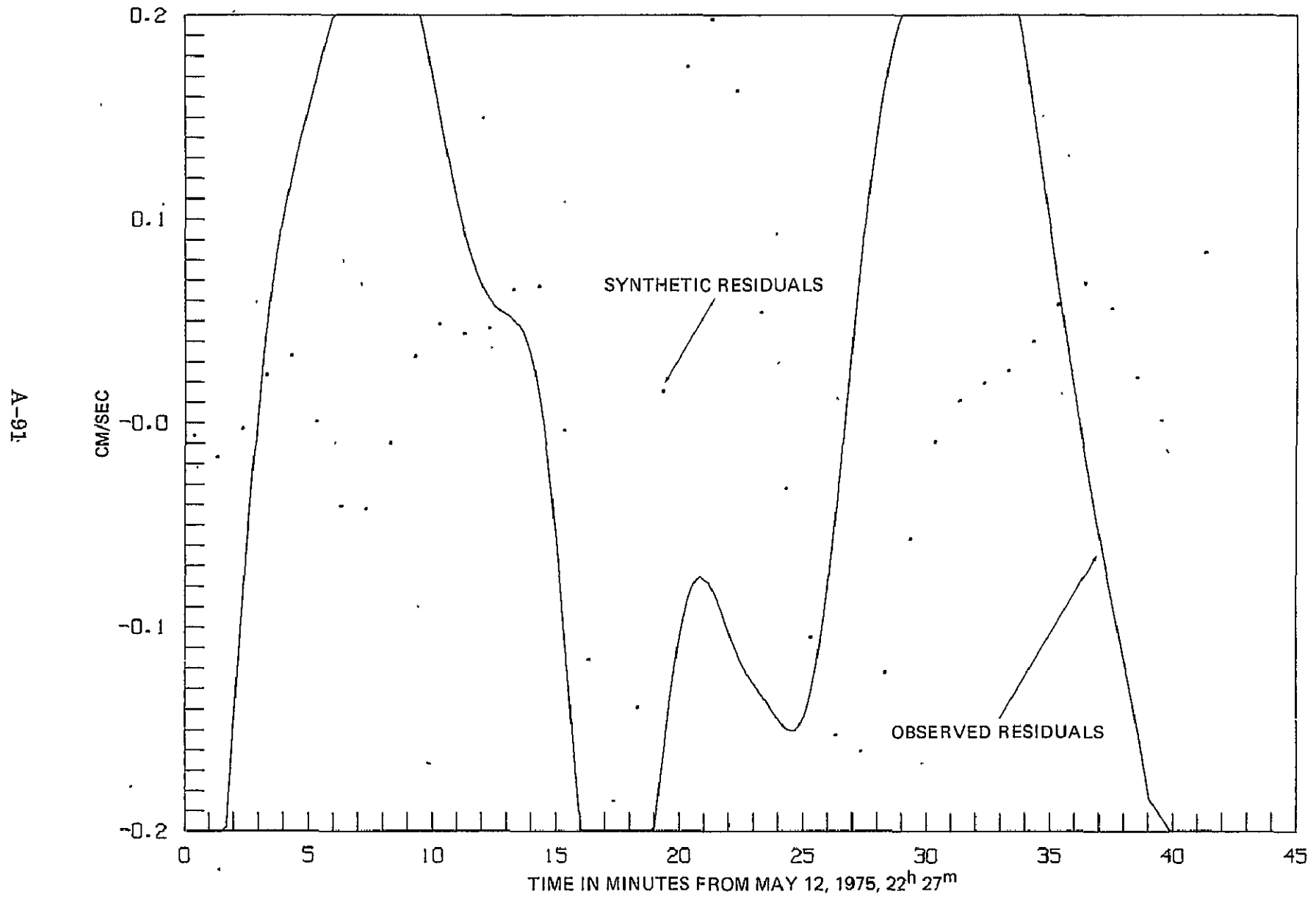
GEOS-3 Revolution No. 466

May 12, 1975, 22<sup>h</sup> 27<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 466

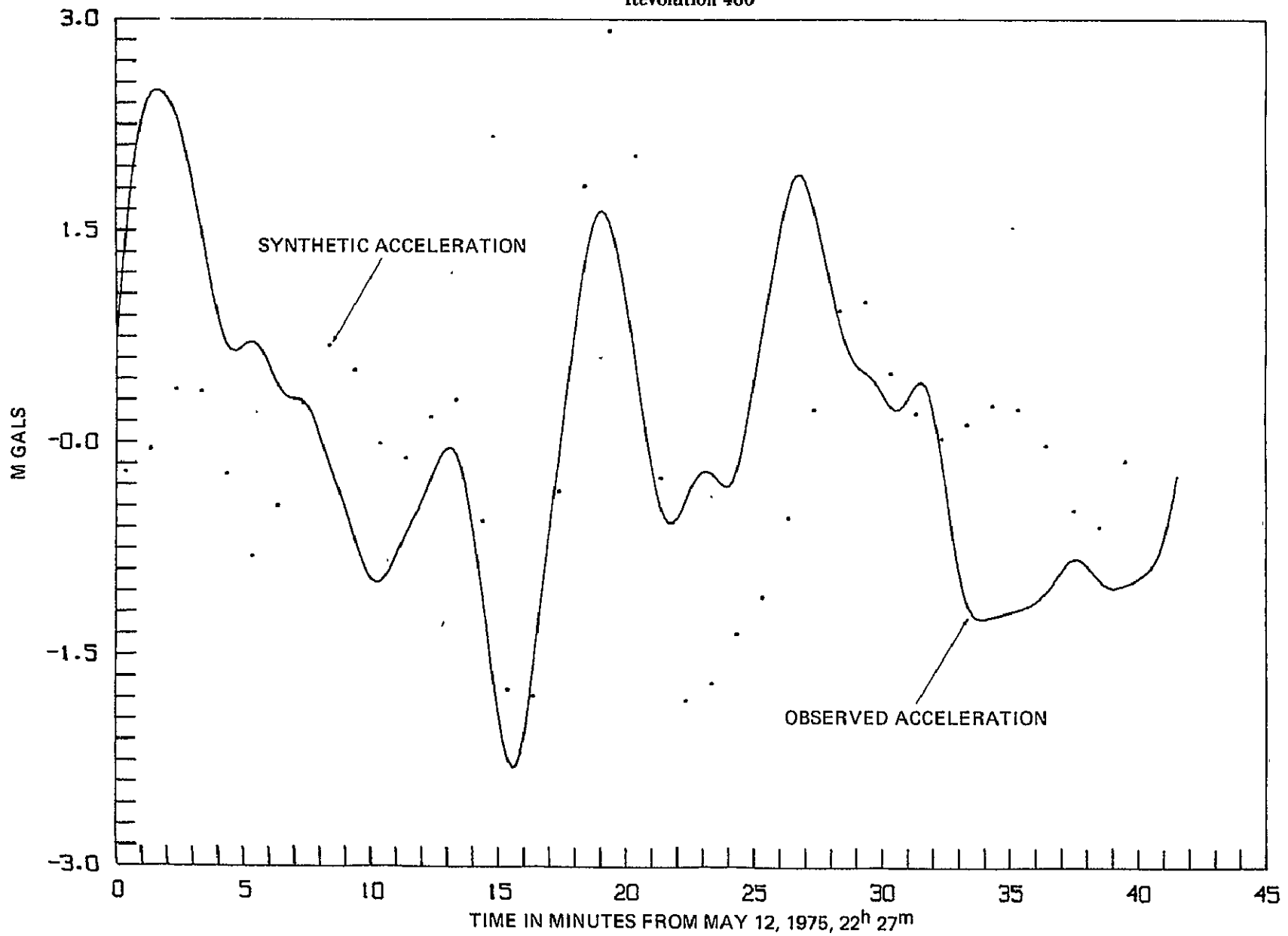


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 466

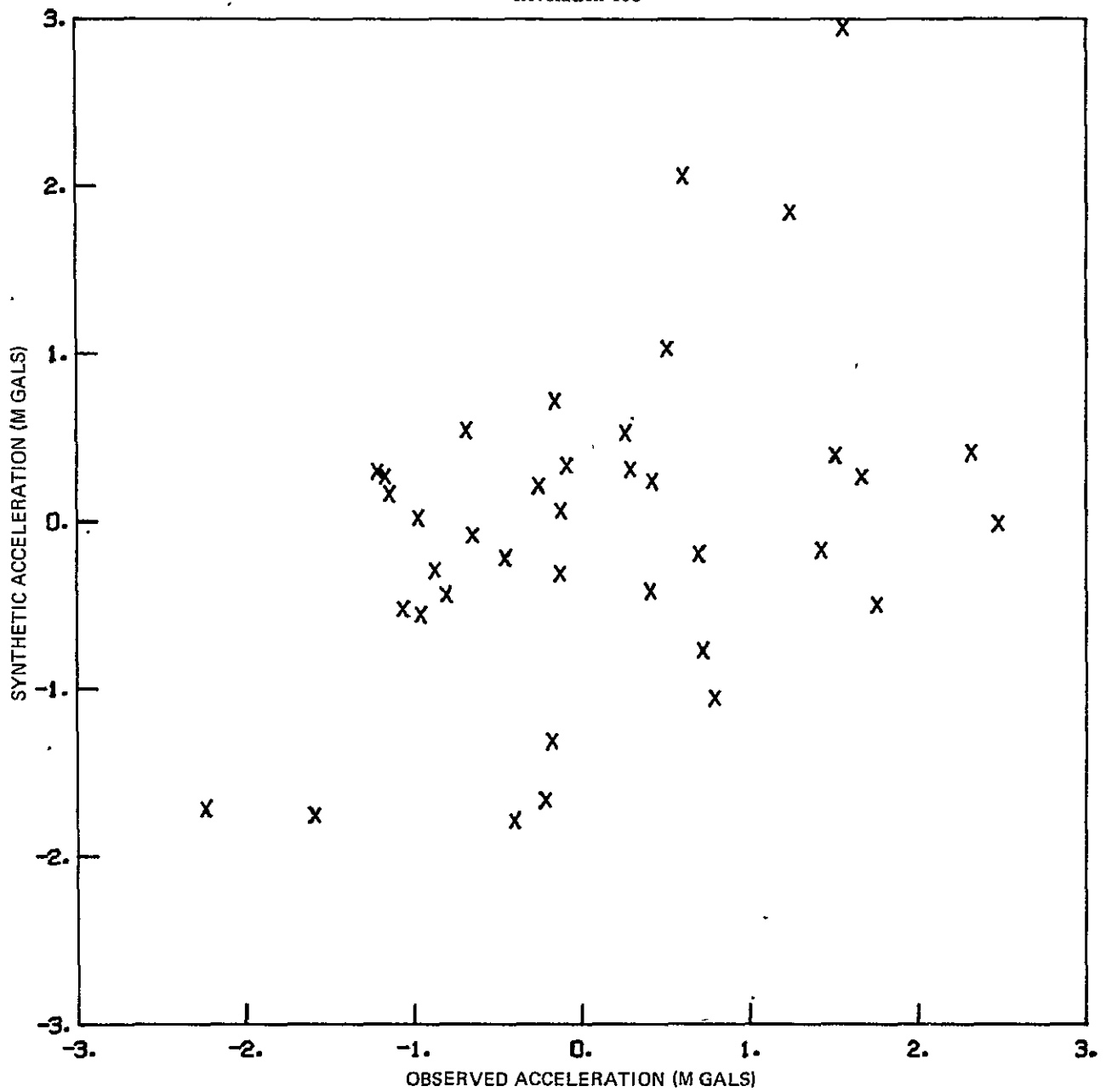


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 466

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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 466



REVOLUTION 466

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750512	2227	44.	44.62	320.03	-0.57049	-0.41658		0.72164	
750512	2228	4.	43.67	327.99	-0.40198	-0.39204	-0.004173	1.42111	-0.176200
750512	2228	14.	43.19	327.47	-0.37756	-0.37522		1.70832	
750512	2228	24.	42.71	326.97	-0.33852	-0.35557		1.99544	
750512	2228	34.	42.22	326.47	-0.44055	-0.33337		2.15810	
750512	2228	44.	41.73	325.98	-0.11055	-0.30855		2.30900	
750512	2228	54.	41.25	325.50	-0.44143	-0.28271		2.41087	
750512	2229	4.	40.76	325.02	-0.13248	-0.25517	-0.014745	2.46892	-0.012744
750512	2229	14.	40.27	324.55	-0.12119	-0.23679		2.49216	
750512	2229	24.	39.77	324.09	-0.29120	-0.19802		2.49161	
750512	2229	34.	39.28	323.63	-0.19763	-0.16932		2.47391	
750512	2229	44.	38.78	323.18	-0.30709	-0.14105		2.43953	
750512	2229	54.	38.29	322.73	-0.03909	-0.11344		2.38505	
750512	2230	4.	37.79	322.29	-0.04293	-0.08665	-0.000511	2.30812	0.410275
750512	2230	14.	37.29	321.86	-0.09697	-0.06086		2.21007	
750512	2230	24.	36.79	321.43	0.10272	-0.03627		2.09358	
750512	2230	34.	36.28	321.00	-0.00099	-0.01303		1.96237	
750512	2230	44.	35.78	320.58	-0.08226	0.00864		1.81887	
750512	2230	54.	35.27	320.16	0.16810	0.02859		1.66366	
750512	2231	4.	34.77	319.75	-0.02713	0.04679	0.025699	1.49944	0.393841
750512	2231	14.	34.26	319.34	0.04531	0.06316		1.33076	
750512	2231	24.	33.75	318.94	0.15598	0.07773		1.16299	
750512	2231	34.	33.24	318.54	0.24055	0.09065		1.00512	
750512	2231	44.	32.73	318.15	0.04599	0.10211		0.86859	
750512	2231	54.	32.22	317.76	0.12727	0.11230		0.76226	
750512	2232	4.	31.71	317.37	0.16373	0.12151	0.035291	0.69034	-0.195544
750512	2232	14.	31.19	316.99	0.11820	0.13006		0.65360	
750512	2232	24.	30.68	316.61	0.10088	0.13822		0.64529	
750512	2232	34.	30.16	316.24	0.08002	0.14620		0.66534	
750512	2232	44.	29.64	315.86	0.02833	0.15411		0.69149	
750512	2232	54.	29.13	315.50	0.14492	0.16197		0.71200	
750512	2233	4.	28.61	315.13	0.22261	0.16979	0.002493	0.71543	-0.771965
750512	2233	14.	28.09	314.77	0.27262	0.17750		0.69717	
750512	2233	24.	27.57	314.41	0.11642	0.18495		0.65850	
750512	2233	34.	27.05	314.05	0.20076	0.19154		0.60296	
750512	2233	44.	26.53	313.70	0.30289	0.19898		0.53966	
750512	2233	54.	26.00	313.35	0.27025	0.20424		0.46604	
750512	2234	4.	25.48	313.00	0.20297	0.20954	-0.038716	0.40348	-0.416942
750512	2234	14.	24.96	312.65	0.25005	0.21431		0.35541	
750512	2234	24.	24.43	312.31	0.20002	0.21865		0.32499	
750512	2234	34.	23.91	311.97	0.21530	0.22265		0.31084	
750512	2234	44.	23.38	311.63	0.14274	0.22636		0.30683	
750512	2234	54.	22.86	311.30	0.17777	0.22976		0.30288	
750512	2235	4.	22.33	310.97	0.14683	0.23281	-0.040057	0.28734	0.312236
750512	2235	14.	21.80	310.63	0.25018	0.23539		0.25068	
750512	2235	24.	21.28	310.30	0.36252	0.23743		0.18946	
750512	2235	34.	20.75	309.98	0.31865	0.23881		0.10838	
750512	2235	44.	20.22	309.65	0.31301	0.23943		0.01706	
750512	2235	54.	19.69	309.33	0.26759	0.23916		-0.02498	
750512	2236	4.	19.16	309.01	0.10676	0.23791	-0.007631	-0.16207	0.722245
750512	2236	14.	18.63	308.69	0.30138	0.23563		-0.24437	
750512	2236	24.	18.10	308.37	0.16106	0.23232		-0.32499	
750512	2236	34.	17.57	308.05	0.14620	0.22798		-0.40778	
750512	2236	44.	17.04	307.74	0.34454	0.22259		-0.49646	
750512	2236	54.	16.50	307.43	0.23626	0.21620		-0.59060	
750512	2237	4.	15.97	307.12	0.15692	0.20881	0.034843	-0.68621	0.543780
750512	2237	14.	15.44	306.81	0.30068	0.20044		-0.72871	
750512	2237	24.	14.90	306.50	0.16681	0.19122		-0.86194	
750512	2237	34.	14.37	306.19	0.31072	0.18127		-0.92864	
750512	2237	44.	13.84	305.88	0.14204	0.17061		-0.97279	
750512	2237	54.	13.30	305.58	0.10045	0.16002		-0.98993	
750512	2238	4.	12.77	305.27	0.15627	0.14913	0.050731	-0.98127	0.020730
750512	2238	14.	12.23	304.97	0.12558	0.13837		-0.95041	
750512	2238	24.	11.70	304.67	0.13856	0.12795		-0.90205	
750512	2238	34.	11.16	304.37	0.02264	0.11303		-0.84188	
750512	2238	44.	10.63	304.07	0.11917	0.10868		-0.77658	
750512	2238	54.	10.09	303.77	0.07578	0.10000		-0.71176	
750512	2239	4.	9.56	303.47	0.18817	0.09264	0.045729	-0.64992	0.082403
750512	2239	14.	9.02	303.17	0.04075	0.08482		-0.59024	
750512	2239	24.	8.48	302.88	0.12741	0.07835		-0.53046	
750512	2239	34.	7.95	302.58	0.05873	0.07223		-0.46833	
750512	2239	44.	7.41	302.29	0.11182	0.06769		-0.40192	
750512	2239	54.	6.87	301.99	0.03013	0.06355		-0.33053	
750512	2240	4.	6.34	301.70	0.09210	0.06019	0.048823	-0.25563	0.213480
750512	2240	14.	5.80	301.40	-0.03834	0.05758		-0.18136	
750512	2240	24.	5.26	301.11	0.08529	0.05560		-0.11468	
750512	2240	34.	4.72	300.82	-0.00536	0.05412		-0.06399	
750512	2240	44.	4.19	300.53	0.05615	0.05289		-0.03779	
750512	2240	54.	3.65	300.23	0.00850	0.05162		-0.04402	
750512	2241	4.	3.11	299.94	-0.01476	0.04994	0.067857	-0.08891	0.334878
750512	2241	14.	2.57	299.65	0.14404	0.04748		-0.17578	
750512	2241	24.	2.04	299.36	0.13297	0.04389		-0.30233	
750512	2241	34.	1.50	299.07	0.09954	0.03884		-0.46129	
750512	2241	45.	0.96	298.78	-0.04718	0.03195		-0.64486	
750512	2241	55.	0.42	298.49	-0.03359	0.02289		-0.84813	
750512	2242	5.	-0.12	298.20	0.05433	0.01146	0.069370	-1.06800	-0.525745
750512	2242	15.	-0.65	297.91	0.04934	-0.00244		-1.29905	
750512	2242	25.	-1.19	297.62	-0.05262	-0.01879		-1.53233	
750512	2242	35.	-1.73	297.32	-0.05801	-0.03733		-1.75681	

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OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750512	2242	45.	-2.27	297.03	-0.01044	-0.05843		-1.95920	
750512	2242	55.	-2.81	296.74	-0.05323	-0.08114		-2.12481	
750512	2243	5.	-3.34	296.45	-0.10268	-0.10522	-0.001594	-2.24034	-1.718648
750512	2243	15.	-3.88	296.16	-0.10205	-0.13010		-2.29535	
750512	2243	25.	-4.42	295.87	-0.07508	-0.15809		-2.28269	
750512	2243	35.	-4.96	295.57	-0.26109	-0.17951		-2.19881	
750512	2243	45.	-5.49	295.28	-0.17696	-0.20274		-2.04741	
750512	2243	55.	-6.03	294.99	-0.23343	-0.22472		-1.83526	
750512	2244	5.	-6.57	294.69	-0.56842	-0.24346	-0.113783	-1.59179	-1.757298
750512	2244	15.	-7.10	294.40	-0.37478	-0.26033		-1.32893	
750512	2244	25.	-7.64	294.10	-0.08787	-0.27450		-1.07130	
750512	2244	35.	-8.18	293.81	-0.22711	-0.28578		-0.82650	
750512	2244	45.	-8.72	293.51	-0.23047	-0.29416		-0.59147	
750512	2244	55.	-9.25	293.22	-0.30288	-0.29968		-0.35992	
750512	2245	5.	-9.79	292.92	-0.34677	-0.30243	-0.162783	-0.12658	-0.311596
750512	2245	15.	-10.32	292.62	-0.29575	-0.30244		-0.11031	
750512	2245	25.	-10.86	292.32	-0.36669	-0.29973		-0.35044	
750512	2245	35.	-11.39	292.02	-0.21438	-0.29435		-0.58981	
750512	2245	45.	-11.93	291.72	-0.44974	-0.28636		-0.82328	
750512	2245	55.	-12.46	291.42	-0.30273	-0.27566		-1.04260	
750512	2246	5.	-13.00	291.11	-0.27000	-0.26336	-0.136906	-1.23785	1.847533
750512	2246	15.	-13.53	290.81	-0.09011	-0.24882		-1.40155	
750512	2246	25.	-14.07	290.50	-0.43863	-0.23270		-1.52841	
750512	2246	35.	-14.60	290.20	-0.34138	-0.21555		-1.64156	
750512	2246	45.	-15.14	289.89	-0.10591	-0.19787		-1.64315	
750512	2246	55.	-15.67	289.58	-0.10110	-0.18004		-1.62217	
750512	2247	5.	-16.20	289.27	-0.05780	-0.16252	0.017748	-1.55535	2.947992
750512	2247	15.	-16.73	288.96	-0.11822	-0.14576		-1.45276	
750512	2247	25.	-17.27	288.64	-0.25065	-0.13021		-1.32288	
750512	2247	35.	-17.80	288.33	-0.16008	-0.11627		-1.16952	
750512	2247	45.	-18.33	288.01	-0.01162	-0.10416		-0.99450	
750512	2247	55.	-18.86	287.69	-0.15353	-0.09406		-0.80289	
750512	2248	5.	-19.39	287.37	-0.03570	-0.08613	0.177099	-0.59809	2.060727
750512	2248	15.	-19.92	287.05	-0.09911	-0.08045		-0.38866	
750512	2248	25.	-20.45	286.72	-0.02743	-0.07701		-0.18211	
750512	2248	35.	-20.98	286.40	-0.13909	-0.07571		-0.01346	
750512	2248	45.	-21.51	286.08	-0.05117	-0.07875		-0.34050	
750512	2249	5.	-22.05	285.76	-0.10358	-0.08249	0.237222	-0.45725	-0.217219
750512	2249	15.	-22.58	285.44	-0.05921	-0.08728		-0.53393	
750512	2249	25.	-23.11	285.12	-0.13540	-0.09278		-0.56863	
750512	2249	35.	-23.64	284.80	-0.17916	-0.09853		-0.56451	
750512	2249	45.	-24.17	284.48	-0.04483	-0.10428		-0.52897	
750512	2249	55.	-24.70	284.16	-0.17916	-0.10957		-0.47097	
750512	2250	5.	-25.23	283.84	-0.14555	-0.11457	0.165162	-0.40062	-1.788700
750512	2250	15.	-25.76	283.52	-0.18129	-0.11890		-0.32936	
750512	2250	25.	-26.29	283.20	-0.16556	-0.12269		-0.26804	
750512	2250	35.	-26.82	282.88	-0.10322	-0.12601		-0.22494	
750512	2250	45.	-27.35	282.56	-0.03440	-0.12998		-0.20349	
750512	2250	55.	-27.88	282.24	-0.15501	-0.13174		-0.20213	
750512	2251	5.	-28.41	281.92	-0.25670	-0.13451	0.056495	-0.21751	-1.664310
750512	2251	15.	-28.94	281.60	-0.11533	-0.13743		-0.24606	
750512	2251	25.	-29.47	281.28	-0.01074	-0.14047		-0.28024	
750512	2251	35.	-30.00	280.96	-0.01861	-0.14358		-0.30576	
750512	2251	45.	-30.53	279.64	-0.13075	-0.14627		-0.30521	
750512	2251	55.	-31.06	279.32	-0.16697	-0.14883		-0.26549	
750512	2252	5.	-31.59	278.99	-0.28572	-0.15030	0.029996	-0.18254	-1.311939
750512	2252	15.	-32.12	278.67	-0.23490	-0.15097		-0.06131	
750512	2252	25.	-32.65	278.35	-0.14102	-0.15031		-0.08806	
750512	2252	35.	-33.18	278.03	-0.17016	-0.14802		-0.25546	
750512	2252	45.	-33.71	277.71	-0.21741	-0.14351		-0.43227	
750512	2252	55.	-34.24	277.39	-0.10996	-0.13787		-0.61122	
750512	2253	5.	-34.77	277.07	-0.09016	-0.12982	-0.102843	-0.78807	-1.054812
750512	2253	15.	-35.30	276.75	-0.12453	-0.11973		-0.96205	
750512	2253	25.	-35.83	276.43	-0.04928	-0.10762		-1.13363	
750512	2253	35.	-36.36	276.11	-0.08088	-0.09354		-1.30289	
750512	2253	45.	-36.89	275.79	-0.14545	-0.07764		-1.46741	
750512	2253	55.	-37.42	275.47	-0.20076	-0.06011		-1.61988	
750512	2254	5.	-37.95	275.15	-0.04294	-0.04121	-0.150595	-1.74905	-0.498739
750512	2254	15.	-38.48	274.83	-0.09889	-0.02121		-1.84454	
750512	2254	25.	-39.01	274.51	-0.14984	-0.00054		-1.85754	
750512	2254	35.	-39.54	274.19	-0.04408	-0.02035		-1.90117	
750512	2254	45.	-40.07	273.87	-0.26374	-0.04114		-1.86563	
750512	2254	55.	-40.60	273.55	-0.13151	-0.06141		-1.77091	
750512	2255	5.	-41.13	273.23	-0.01923	-0.08085	-0.158502	-1.66060	0.267713
750512	2255	15.	-41.66	272.91	-0.13300	-0.09910		-1.53492	
750512	2255	25.	-42.19	272.59	-0.06485	-0.11599		-1.40053	
750512	2255	35.	-42.72	272.27	-0.10661	-0.13140		-1.26178	
750512	2255	45.	-43.25	271.95	-0.20162	-0.14533		-1.12203	
750512	2255	55.	-43.78	271.63	-0.21155	-0.15764		-0.98613	
750512	2256	5.	-44.31	271.31	0.26154	0.17897	-0.119924	0.75061	0.974891
750512	2256	15.	-44.84	270.99	0.14418	0.18779		0.66212	
750512	2256	25.	-45.37	270.67	0.17892	0.19508		0.59577	
750512	2256	35.	-45.90	270.35	0.23651	0.20275		0.55234	
750512	2256	45.	-46.43	269.03	0.16601	0.20927		0.52360	
750512	2257	5.	-46.96	268.71	0.05208	0.21528	-0.054478	0.50264	-1.033915
750512	2257	15.	-47.49	268.39	0.29169	0.22082		0.47928	
750512	2257	25.	-48.02	268.07	0.23228	0.22565		0.44662	
750512	2257	35.	-48.55	267.75	0.24170	0.23067		0.40345	
750512	2257	45.	-49.08	267.43	0.27611	0.23495		0.35272	
750512	2257	55.	-49.61	267.11	0.30159	0.23882		0.30117	
750512	2258	5.	-49.14	266.79	0.32616	0.24238	-0.007141	0.25843	0.528584
750512	2258	15.	-49.67	266.47	0.32039	0.24576		0.23471	
750512	2258	25.	-50.20	266.15	0.20703	0.24911		0.23727	
750512	2258	35.	-50.73	265.83	0.23344	0.25258		0.26667	
750512	2258	45.	-51.26	265.51	0.22444	0.25637		0.31589	



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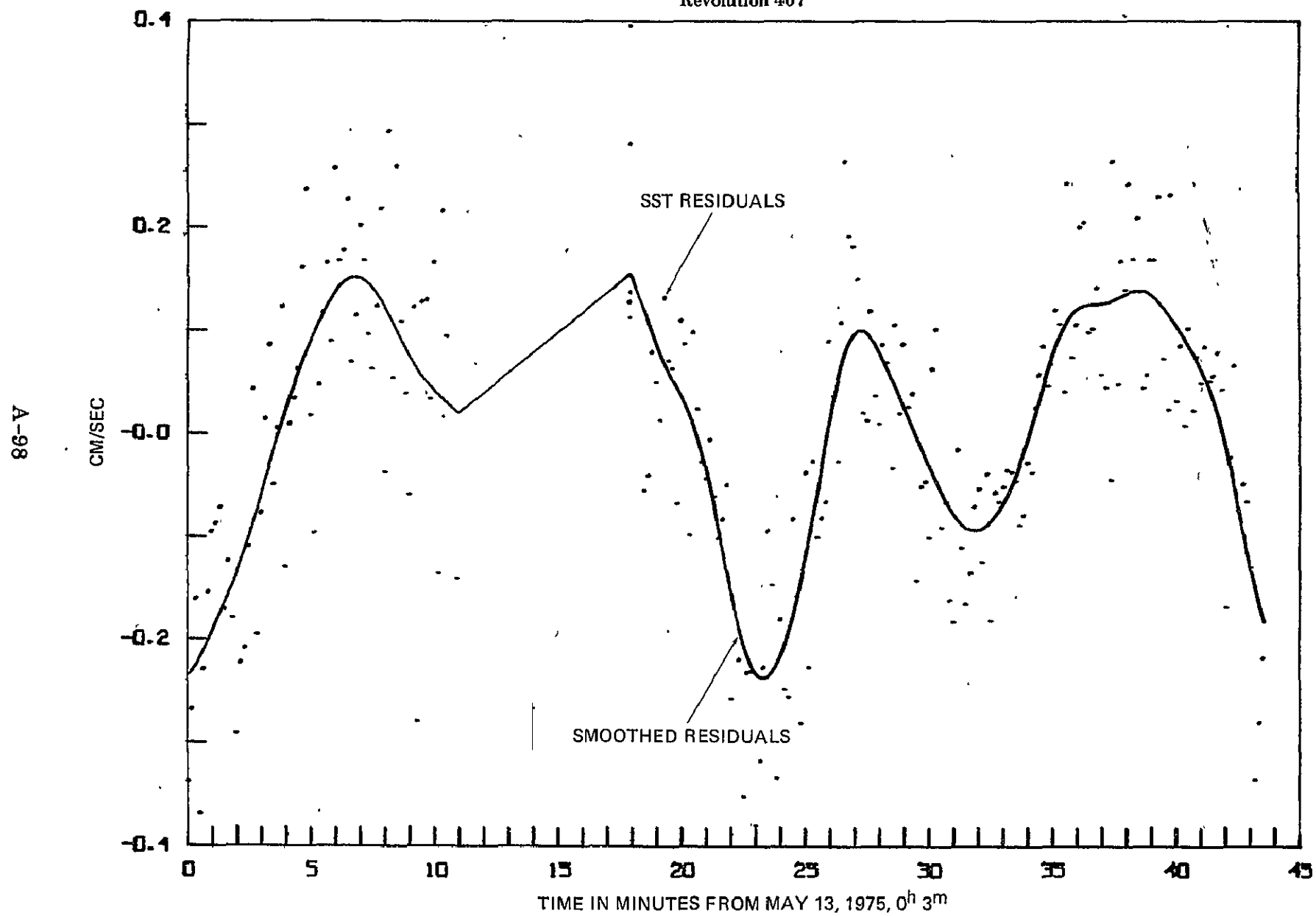
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750512	2258	56.	-51.66	258.19	0.10764	0.26022		0.37188	
750512	2259	6.	-52.09	257.51	0.19321	0.26433	0.013284	0.41650	0.239844
750512	2259	16.	-52.52	256.80	0.25272	0.22844		0.43200	
750512	2259	26.	-52.94	256.09	0.31616	0.27222		0.40574	
750512	2259	36.	-53.36	255.36	0.38845	0.27854		0.33590	
750512	2259	46.	-53.77	254.62	0.22154	0.27780		0.21563	
750512	2259	56.	-54.18	253.86	0.30851	0.27860		0.05941	
750512	23 0	6.	-54.60	253.09	0.29907	0.27763	0.021833	0.12748	0.062820
750512	23 0	16.	-54.99	252.31	0.36351	0.27466		0.33501	
750512	23 0	26.	-55.39	251.51	0.31432	0.26963		0.54666	
750512	23 0	36.	-55.78	250.69	0.44212	0.26258		0.74627	
750512	23 0	46.	-56.17	249.86	0.19344	0.25368		0.91817	
750512	23 0	56.	-56.55	249.02	0.19672	0.24313		1.05252	
750512	23 1	6.	-56.93	248.15	0.21519	0.23122	0.027830	1.14749	0.165550
750512	23 1	16.	-57.30	247.28	0.25583	0.21832		1.20610	
750512	23 1	26.	-57.67	246.38	0.11346	0.20476		1.23416	
750512	23 1	36.	-58.03	245.47	0.14844	0.19078		1.24046	
750512	23 1	46.	-58.38	244.54	0.13073	0.17657		1.23525	
750512	23 1	56.	-58.73	243.59	0.20216	0.16230		1.22667	
750512	23 2	6.	-59.07	242.62	0.21946	0.14808	0.042318	1.21935	0.299230
750512	23 2	16.	-59.40	241.64	0.17314	0.13398		1.21245	
750512	23 2	26.	-59.73	240.64	0.09855	0.11999		1.20450	
750512	23 2	36.	-60.05	239.61	0.01317	0.10608		1.19534	
750512	23 2	46.	-60.36	238.57	0.14472	0.09224		1.18665	
750512	23 2	56.	-60.67	237.51	0.13161	0.07851		1.17903	
750512	23 3	6.	-60.96	236.44	0.01125	0.06492	0.060493	1.17097	0.270677
750512	23 3	16.	-61.25	235.34	0.07578	0.05145		1.16123	
750512	23 3	26.	-61.53	234.22	0.06458	0.03814		1.14899	
750512	23 3	36.	-61.81	233.08	0.00279	0.02502		1.13305	
750512	23 3	46.	-62.07	231.93	0.03724	0.01210		1.11316	
750512	23 3	56.	-62.32	230.75	0.07136	0.00060		1.08956	
750512	23 4	6.	-62.57	229.56	0.04023	0.01299		1.06157	
750512	23 4	11.	-62.57	229.56			0.071004		0.017612
750512	23 4	16.	-62.80	228.35	0.02490	0.02504		1.02785	
750512	23 4	26.	-63.03	227.12	0.05723	0.03676		0.98774	
750512	23 4	46.	-63.45	224.60	0.14003	0.05880		0.89517	
750512	23 4	56.	-63.64	223.32	0.15814	0.06929		0.85307	
750512	23 5	6.	-63.82	222.02	0.04873	0.07944		0.82332	
750512	23 5	16.	-64.00	220.71	0.20625	0.08932	0.058366	0.80569	-0.439295
750512	23 5	26.	-64.16	219.37	0.02824	0.05910		0.81279	
750512	23 5	36.	-64.31	218.03	0.08791	0.10887		0.83116	
750512	23 5	46.	-64.44	216.67	0.11468	0.11876		0.86040	
750512	23 5	56.	-64.57	215.30	0.12952	0.12808		0.89559	
750512	23 6	6.	-64.68	213.92	0.05249	0.13929		0.93191	
750512	23 6	16.	-64.78	212.52	0.18306	0.15003	0.024529	0.96456	-0.556932
750512	23 6	26.	-64.87	211.12	0.20475	0.16115		0.99020	
750512	23 6	36.	-64.95	209.71	0.10938	0.17267		1.00801	
750512	23 6	46.	-65.01	208.29	0.28257	0.18457		1.01745	
750512	23 7	16.	-65.14	201.13	0.27366	0.24567	0.003225	0.96720	-0.090025
750512	23 7	46.	-65.12	199.76	0.25516	0.25721		0.94861	
750512	23 7	56.	-65.10	198.27	0.24840	0.26837		0.92799	
750512	23 8	6.	-65.06	196.84	0.41674	0.27911		0.90432	
750512	23 8	16.	-65.01	195.42	0.24104	0.28932		0.87303	
750512	23 8	26.	-64.94	194.00	0.17520	0.25876		0.82874	
750512	23 8	36.	-64.86	192.59	0.30100	0.30719		0.76409	
750512	23 8	46.	-64.77	191.19	0.21255	0.31450		0.67295	
750512	23 8	56.	-64.67	189.79	0.35732	0.32057		0.55232	
750512	23 9	6.	-64.56	188.41	0.37254	0.32527		0.40241	
750512	23 9	16.	-64.43	187.04	0.44359	0.32844		0.22883	

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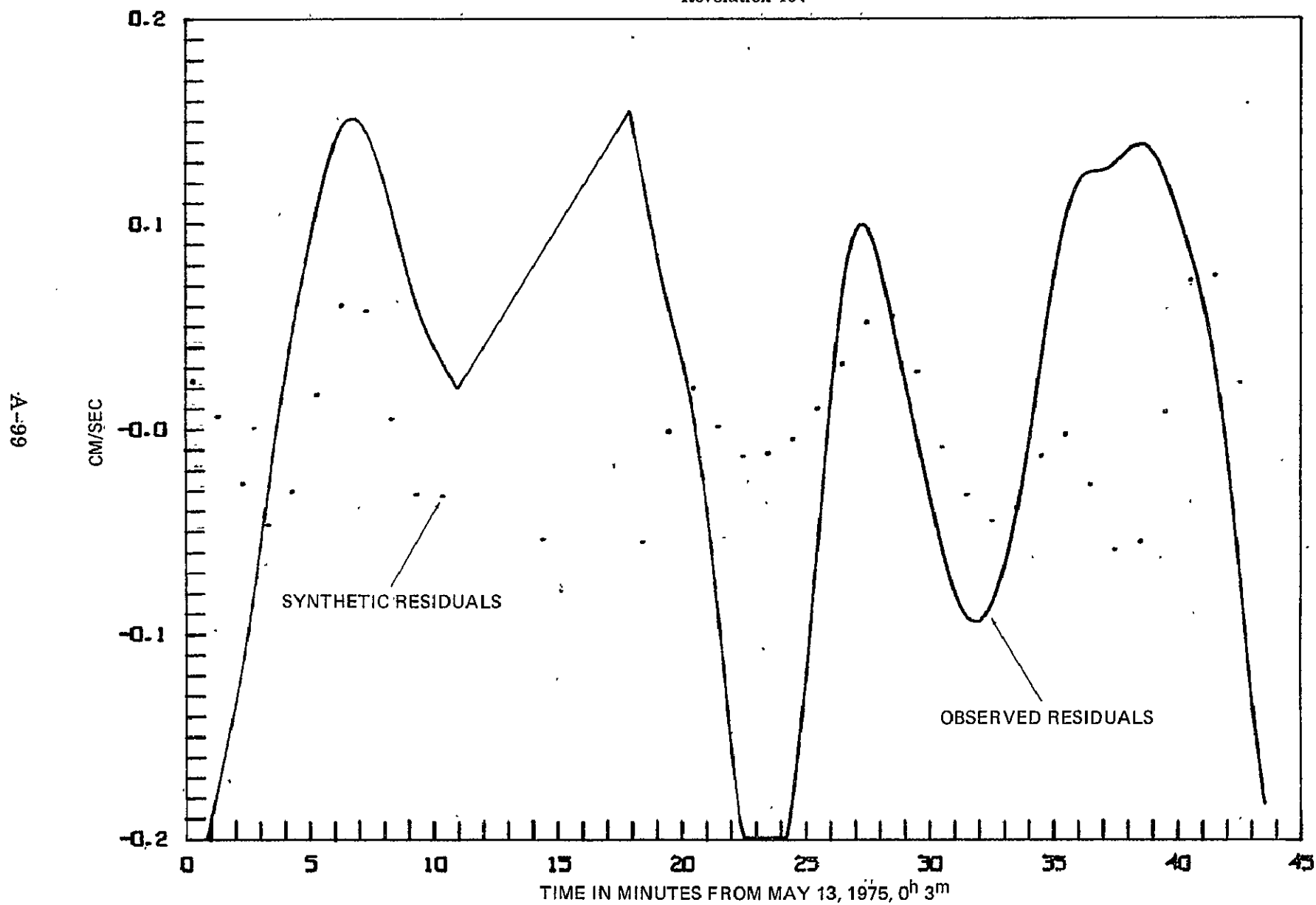
GEOS-3 Revolution No. 467

May 13, 1975, 0<sup>h</sup> 3<sup>m</sup>

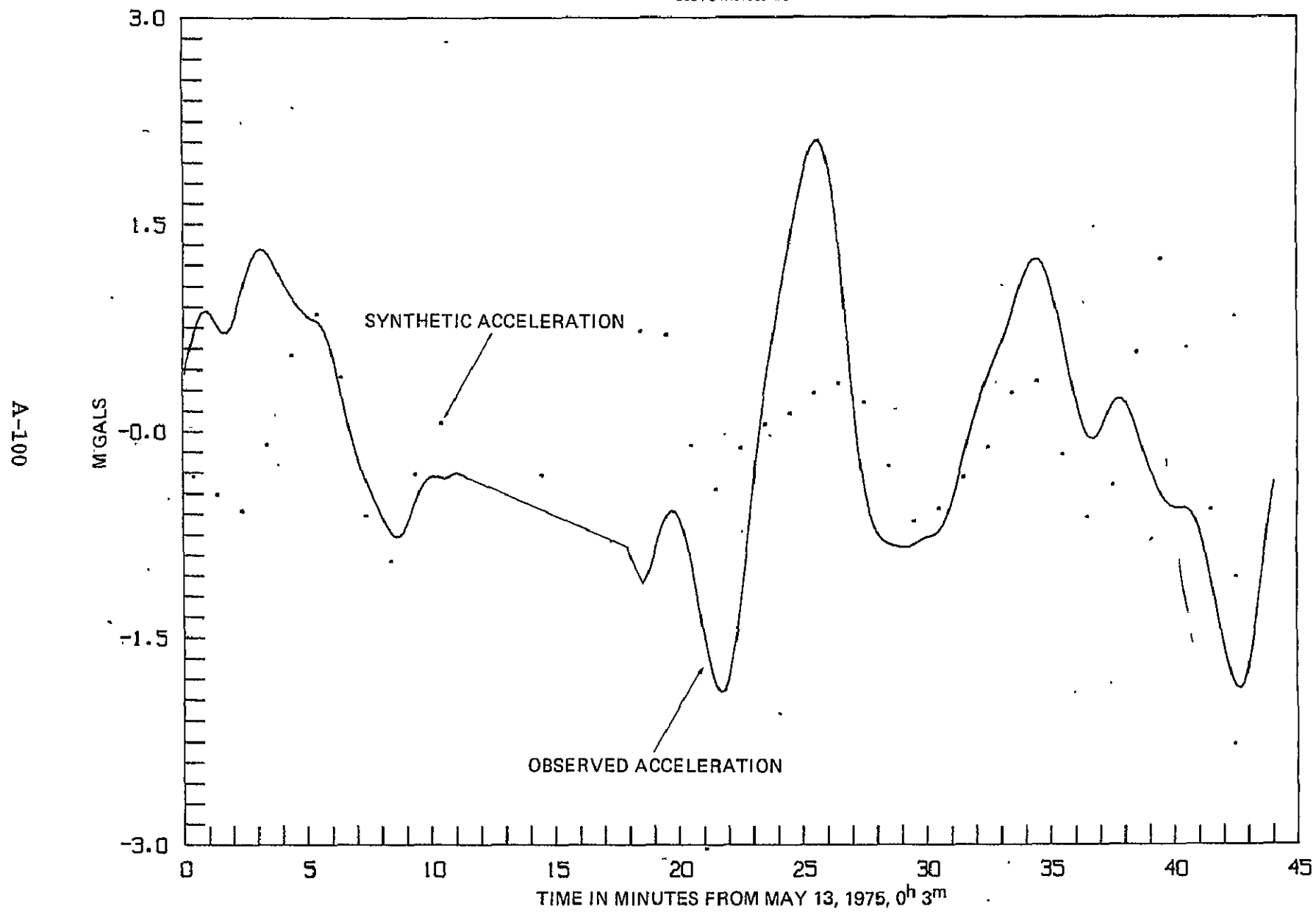
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 467



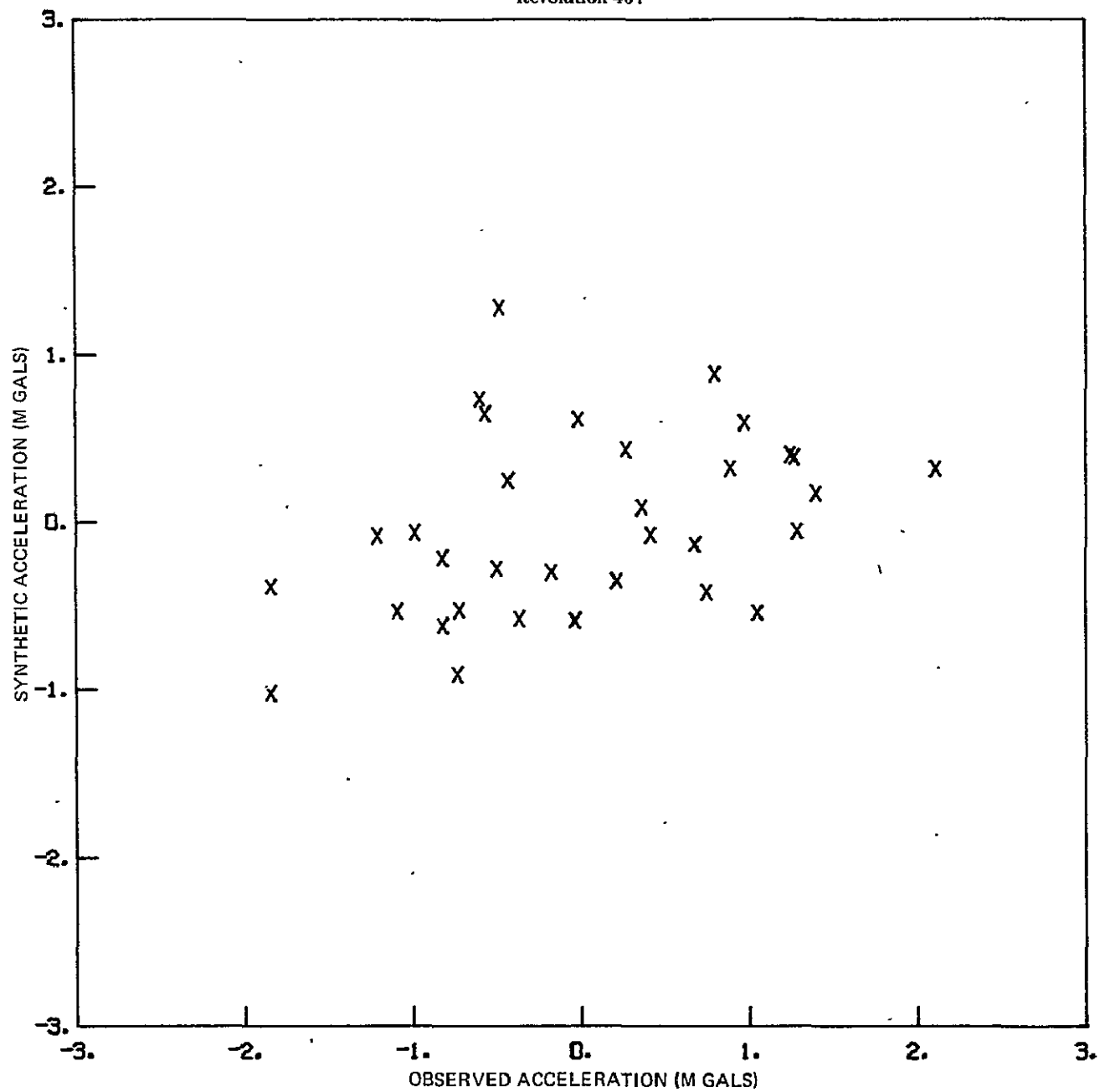
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 467



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 467



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 467



REVOLUTION 467

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750513	0 3	4.	60.45	132.92	-0.133285	-0.236000		0.41792	
750513	0 3	14.	60.14	132.87	-0.26351	-0.23083		0.57157	
750513	0 3	24.	59.22	132.84	-0.15544	-0.22428	0.025502	0.70164	-0.292167
750513	0 3	34.	58.50	132.83	-0.16461	-0.21666		0.79348	
750513	0 3	44.	57.16	132.84	-0.22412	-0.20832		0.85477	
750513	0 3	54.	55.83	132.87	-0.14913	-0.19545		0.86847	
750513	0 4	4.	55.48	132.88	-0.39905	-0.19036		0.84503	
750513	0 4	14.	54.12	132.88	-0.28255	-0.18110		0.79788	
750513	0 4	24.	52.77	132.87	-0.05057	-0.17182	0.000002	0.74527	-0.420837
750513	0 4	34.	51.51	132.84	-0.16664	-0.16256		0.71105	
750513	0 4	44.	50.23	132.82	-0.11932	-0.15329		0.70375	
750513	0 4	54.	48.66	132.81	-0.17495	-0.14379		0.74771	
750513	0 5	4.	47.08	132.81	-0.22735	-0.13384		0.82505	
750513	0 5	14.	45.50	132.81	-0.21792	-0.12322		0.93144	
750513	0 5	24.	43.10	132.81	-0.20360	-0.11176	-0.024758	1.04574	-0.541983
750513	0 5	34.	41.70	132.82	-0.10422	-0.09939		1.18122	
750513	0 5	44.	40.30	132.84	-0.04784	-0.08613		1.23514	
750513	0 6	4.	38.89	132.87	-0.19027	-0.07212		1.29147	
750513	0 6	14.	37.47	132.86	-0.13866	-0.05772		1.31716	
750513	0 6	24.	36.06	132.80	-0.09366	-0.04314	-0.044205	1.31156	-0.054577
750513	0 6	34.	34.63	132.85	-0.01455	-0.01432		1.27567	
750513	0 6	44.	33.21	132.88	0.01045	-0.00048		1.23097	
750513	0 6	54.	31.78	132.84	0.12804	0.01283		1.17402	
750513	0 7	4.	30.35	132.80	-0.12553	0.02555		1.11611	
750513	0 7	14.	28.91	131.84	0.01424	0.03760		1.06225	
750513	0 7	24.	27.47	131.18	0.03925	0.04520	-0.022109	1.01221	0.592743
750513	0 7	34.	26.03	130.53	0.00769	0.00018		0.96573	
750513	0 7	44.	24.58	130.50	0.16570	0.07071		0.92132	
750513	0 7	54.	23.13	130.47	0.24213	0.08092		0.87132	
750513	0 8	4.	21.68	130.66	0.02105	0.09083		0.84382	
750513	0 8	14.	20.22	130.65	-0.05154	0.10337		0.82010	
750513	0 8	24.	18.76	130.76	0.05201	0.10943	0.015175	0.80004	0.832603
750513	0 8	34.	17.30	130.68	0.12209	0.11767		0.77306	
750513	0 8	44.	15.84	130.30	0.17058	0.12585		0.75015	
750513	0 8	54.	14.38	130.57	0.09330	0.13303		0.72620	
750513	0 9	4.	12.91	130.18	0.26229	0.13517		0.69904	
750513	0 9	14.	11.44	130.63	0.17182	0.14417		0.67613	
750513	0 9	24.	10.06	130.05	0.18192	0.14760	0.062461	0.65341	0.430339
750513	0 9	34.	8.59	130.56	0.23197	0.15025		0.63111	
750513	0 9	44.	7.01	130.03	0.07346	0.15133		0.60055	
750513	0 9	54.	5.53	130.02	0.11955	0.15102		0.56956	
750513	010	4.	43.05	130.01	0.20660	0.14943		0.53861	
750513	010	14.	41.57	130.11	0.17211	0.14684		0.50762	
750513	010	24.	40.09	130.01	0.10038	0.14321	0.055692	0.47653	-0.578111
750513	010	34.	38.61	130.02	0.05655	0.13864		0.44433	
750513	010	44.	37.11	130.04	0.12818	0.13320		0.41250	
750513	010	54.	35.62	129.57	0.22303	0.12795		0.38087	
750513	011	4.	34.13	129.10	-0.03342	0.12009		0.34915	
750513	011	14.	32.64	128.64	0.29790	0.11257		0.31767	
750513	011	24.	31.14	128.18	0.05790	0.10462	0.007137	0.28613	-0.509990
750513	011	34.	29.64	127.73	0.26409	0.09641		0.25473	
750513	011	44.	28.15	127.28	0.11241	0.08922		0.22339	
750513	011	54.	26.66	126.84	0.04233	0.08025		0.19195	
750513	012	4.	25.15	126.41	-0.05504	0.07209		0.16024	
750513	012	14.	23.64	125.98	0.12739	0.06567	-0.020133	0.12884	-0.276775
750513	012	24.	22.14	125.50	-0.27544	0.05926		0.09651	
750513	012	34.	20.64	125.14	0.13202	0.05248		0.06430	
750513	012	44.	19.13	124.72	0.13434	0.04631		0.03247	
750513	012	54.	17.62	124.31	0.03763	0.04373		0.00057	
750513	013	4.	16.12	123.91	0.17076	0.03959		0.00000	
750513	013	14.	14.61	123.50	-0.13177	0.03573		0.00000	
750513	013	24.	13.10	123.11	0.22000	0.03202		0.00000	
750513	013	34.	11.61	122.70					
750513	013	44.	10.11	122.29	-0.13604	0.01922	-0.030034	0.00000	0.099271
750513	013	54.	8.62	121.88			-0.051873		-0.285279
750513	014	0.	7.14	121.47	0.11616	0.15401		0.00000	
750513	014	10.	5.64	121.06	0.14148	0.15309		0.00000	
750513	014	20.	4.14	120.65	0.28567	0.15216		0.00000	
750513	014	30.	2.64	120.24	0.47177	0.15121		0.00000	
750513	014	40.	1.14	119.83			-0.053200		0.754733
750513	014	50.	0.64	119.42	-0.03555	0.10601		0.00000	
750513	014	0.	0.14	119.01	0.08348	0.09470		0.00000	
750513	014	10.	0.64	118.60	0.05357	0.08398		0.00000	
750513	014	20.	0.14	118.19	0.01672	0.07411		0.00000	
750513	014	30.	0.64	117.78	0.13525	0.06515	0.001259	0.00000	0.735511
750513	014	40.	0.14	117.37	0.07433	0.05700		0.00000	
750513	014	50.	0.64	116.96	0.06065	0.04933		0.00000	
750513	014	0.	0.14	116.55	-0.06342	0.04172		0.00000	
750513	014	10.	0.64	116.14	0.11372	0.03375		0.00000	
750513	014	20.	0.14	115.73	0.09060	0.02560		0.00000	
750513	014	30.	0.64	115.32	-0.09421	0.01520	0.022600	0.00000	-0.063517
750513	014	40.	0.14	114.91	0.10248	0.00415		0.00000	
750513	014	50.	0.64	114.50	0.02736	-0.00050		0.00000	
750513	014	0.	0.14	114.09	-0.02352	-0.00294		0.00000	
750513	014	10.	0.64	113.68	-0.03954	-0.00390		0.00000	
750513	014	20.	0.14	113.27	-0.05566	-0.00566		0.00000	
750513	014	30.	0.64	112.86	-0.07550	-0.00755		0.00000	

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REVOLUTION 467

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750513	024	00	-2.43	171.42	-0.05755	-0.05567	0.003170	-1.84907	-0.395394
750513	024	05	-2.97	171.33	-0.07818	-0.11625		-1.88555	
750513	024	10	-3.51	171.04	-0.10447	-0.13654		-1.97217	
750513	025	00	-4.05	170.75	-0.13325	-0.15682		-1.73762	
750513	025	05	-3.12	170.16	-0.21477	-0.19265		-1.43543	
750513	025	10	-3.60	169.87	-0.34746	-0.20741	-0.01118	-1.21268	-0.092954
750513	025	15	-4.20	169.57	-0.52714	-0.21950		-0.23577	
750513	025	20	-4.74	169.28	-0.76646	-0.22866		-0.63347	
750513	025	25	-5.27	168.99	-1.07559	-0.23479		-0.16879	
750513	026	00	-5.81	168.70	-1.51247	-0.23757		-0.09957	
750513	026	05	-6.35	168.40	-2.02222	-0.23334		0.14372	
750513	026	10	-6.88	168.10	-2.59900	-0.23602	-0.009368	0.35251	0.097210
750513	026	15	-7.42	167.80	-3.24290	-0.23115		0.55055	
750513	026	20	-7.96	167.50	-3.99954	-0.22395		0.72510	
750513	027	00	-8.49	167.20	-4.87515	-0.21452		0.90054	
750513	027	05	-9.03	166.90	-5.84498	-0.20328		1.06794	
750513	027	10	-9.56	166.60	-6.91422	-0.19000	-0.002436	1.23265	
750513	027	15	-10.09	166.30	-8.07773	-0.17455		1.39411	0.170562
750513	027	20	-10.63	166.00	-9.34100	-0.15766		1.55171	
750513	027	25	-11.17	165.70	-10.69766	-0.13917		1.70355	
750513	028	00	-11.70	165.39	-12.23272	-0.11956		1.84347	
750513	028	05	-12.24	165.08	-13.93343	-0.09743		1.96125	
750513	028	10	-12.77	164.78	-15.78168	-0.07489		2.05400	
750513	028	15	-13.31	164.47	-17.76031	-0.05172	0.012395	2.10622	0.318990
750513	028	20	-13.84	164.16	-20.07651	-0.02841		2.11132	
750513	028	25	-14.37	163.85	-22.61118	-0.00553		2.06104	
750513	029	00	-14.90	163.53	-25.35118	0.01634		1.94956	
750513	029	05	-15.44	163.22	-28.30344	0.03661		1.77617	
750513	029	10	-15.97	162.90	-31.46261	0.05466		1.54457	
750513	029	15	-16.50	162.59	-34.83121	0.06995	0.034206	1.26359	0.335972
750513	029	20	-17.03	162.27	-38.40325	0.08218		0.94562	
750513	029	25	-17.56	161.95	-42.17550	0.09117		0.61259	
750513	030	00	-18.09	161.62	-46.15560	0.09689		0.28952	
750513	030	05	-18.62	161.30	-50.33352	0.09947		-0.00153	
750513	030	10	-19.15	160.97	-54.71094	0.09918		-0.24572	
750513	030	15	-19.68	160.64	-59.28634	0.09637	0.054594	-0.43749	0.246967
750513	030	20	-20.20	160.31	-64.05916	0.09161		-0.37553	
750513	030	25	-20.73	159.98	-69.03350	0.08508		-0.67392	
750513	031	00	-21.26	159.64	-74.21341	0.07748		-0.74365	
750513	031	05	-21.79	159.31	-79.59266	0.06906		-0.78381	
750513	031	10	-22.31	158.97	-85.17338	0.06011		-0.90813	
750513	031	15	-22.83	158.62	-90.94922	0.05079	0.057351	-0.92312	-0.216528
750513	031	20	-23.36	158.28	-96.91007	0.04124		-0.93373	
750513	031	25	-23.88	157.93	-103.05347	0.03158		-0.84223	
750513	032	00	-24.40	157.58	-109.36102	0.02167		-0.84766	
750513	032	05	-24.93	157.23	-115.82999	0.01220		-0.84743	
750513	032	10	-25.46	156.87	-122.46372	0.00261		-0.83913	
750513	032	15	-25.99	156.51	-129.26344	-0.00687	0.029997	-0.82265	-0.618239
750513	032	20	-26.52	156.15	-136.22961	-0.01628		-0.80242	
750513	032	25	-27.05	155.79	-143.36161	-0.02556		-0.78364	
750513	033	00	-27.58	155.43	-150.65528	-0.03469		-0.76684	
750513	033	05	-28.11	155.07	-158.10735	-0.04361		-0.76038	
750513	033	10	-28.64	154.70	-165.71564	-0.05220		-0.74827	
750513	033	15	-29.17	154.33	-173.48651	-0.06032	-0.006933	-0.72441	-0.524714
750513	033	20	-29.70	153.97	-181.41335	-0.06794		-0.67833	
750513	033	25	-30.23	153.60	-189.49700	-0.07467		-0.63757	
750513	034	00	-30.76	153.24	-197.73957	-0.08199		-0.59162	
750513	034	05	-31.29	152.87	-206.14105	-0.08811		-0.40965	
750513	034	10	-31.82	152.50	-214.69900	-0.09365		-0.29465	
750513	034	15	-32.35	152.13	-223.41622	-0.09876	-0.030702	-0.17566	-0.297852
750513	034	20	-32.88	151.76	-232.28372	-0.10342		-0.05271	
750513	034	25	-33.41	151.39	-241.30147	-0.09447		0.05112	
750513	035	00	-33.94	151.02	-250.46952	-0.08350		0.15189	
750513	035	05	-34.47	150.65	-259.78787	-0.07136		0.24435	
750513	035	10	-35.00	150.28	-269.35632	-0.05816		0.33027	
750513	035	15	-35.53	149.91	-279.07477	-0.04395	-0.042607	0.41146	-0.077573
750513	035	20	-36.06	149.54	-288.94322	-0.02881		0.48376	
750513	035	25	-36.59	149.17	-298.96167	-0.01276		0.55302	
750513	036	00	-37.12	148.80	-309.13012	-0.00577		0.63656	
750513	036	05	-37.65	148.43	-319.44857	-0.00785		0.71359	
750513	036	10	-38.18	148.06	-329.91702	-0.00993		0.79573	
750513	036	15	-38.71	147.69	-340.53547	-0.00390	-0.036058	0.89440	0.320347
750513	036	20	-39.24	147.32	-351.30392	-0.00285		0.97732	
750513	036	25	-39.77	146.95	-362.22237	-0.00153		1.06494	
750513	037	00	-40.30	146.58	-373.29082	-0.00002		1.14957	
750513	037	05	-40.83	146.21	-384.50927	0.00912		1.20957	
750513	037	10	-41.36	145.84	-395.87772	0.02266		1.24215	
750513	037	15	-41.89	145.47	-407.39617	0.03635	-0.010705	1.24363	0.401294
750513	037	20	-42.42	145.10	-419.06462	0.04968		1.21253	
750513	037	25	-42.95	144.73	-430.88307	0.06294		1.15075	
750513	038	00	-43.48	144.36	-442.85152	0.07519		1.06131	
750513	038	05	-44.01	143.99	-454.96997	0.08636		0.94790	
750513	038	10	-44.54	143.62	-467.23842	0.09623		0.81555	
750513	038	15	-45.07	143.25	-479.65687	0.10464	-0.000238	0.67032	-0.144487
750513	038	20	-45.60	142.88	-492.22532	0.11147		0.51964	
750513	038	25	-46.13	142.51	-504.94377	0.11676		0.35966	
750513	039	00	-46.66	142.14	-517.81222	0.12056		0.22956	
750513	039	05	-47.19	141.77	-530.83067	0.12304		0.10926	
750513	039	10	-47.72	141.40	-543.99912	0.12448		0.01653	
750513	039	15	-48.25	141.03	-557.31757	0.12520	-0.025214	-0.04043	-0.588785
750513	039	20	-48.78	140.66	-570.78602	0.12550		-0.05792	
750513	039	25	-49.31	140.29	-584.40447	0.12571		-0.03804	
750513	040	00	-49.84	139.92	-598.17292	0.12612		0.01215	
750513	040	05	-50.37	139.55	-612.09137	0.12690		0.08083	
750513	040	10	-50.90	139.18	-626.25982	0.12810		0.15182	
750513	040	15	-51.43	138.81	-640.57827	0.12972	-0.007075	0.23975	-0.352221



REVOLUTION 467

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL	SMOOTHED RESIDUAL	SYNTHETIC RESIDUAL	OBSERVED ACCELERATION	SYNTHETIC ACCELERATION
YYMMDD	HHMM	SEC	LAT	E. LONG	CM/SEC	CM/SEC	CM/SEC	MGAL	MGAL
750513	0400	46.	-51.80	232.65	0.05212	0.13166		0.24000	
750513	0400	56.	-52.23	231.96	0.17225	0.11375		0.24000	
750513	0401	00.	-52.65	231.25	0.14164	0.13507		0.20000	
750513	0401	10.	-53.08	230.53	0.24049	0.13721		0.14000	
750513	0401	20.	-53.49	229.80	0.17254	0.13210		0.05000	
750513	0401	30.	-53.91	229.00	0.21414	0.13335	-0.052592	-0.01354	0.617770
750513	0401	40.	-54.32	228.30	0.04844	0.11765		-0.10332	
750513	0401	50.	-54.72	227.52	0.06200	0.11596		-0.19543	
750513	0402	00.	-55.12	226.71	0.17227	0.13320		-0.27570	
750513	0402	10.	-55.52	225.93	0.17263	0.12572		-0.35911	
750513	0402	20.	-55.91	225.11	0.23488	0.12542		-0.42331	
750513	0402	30.	-56.29	224.28	0.07652	0.12043	0.010593	-0.40500	1.239786
750513	0402	40.	-56.67	223.42	0.02736	0.11501		-0.52355	
750513	0402	50.	-57.05	222.56	0.23563	0.10912		-0.54652	
750513	0403	00.	-57.42	221.67	0.03542	0.10257		-0.55677	
750513	0403	10.	-57.78	220.77	0.00992	0.09662		-0.55136	
750513	0403	20.	-58.14	219.85	0.01190	0.09007		-0.55393	
750513	0403	30.	-58.49	218.92	0.10677	0.08225	0.074735	-0.56753	0.644426
750513	0403	40.	-58.84	217.97	0.02655	0.07007		-0.56277	
750513	0403	50.	-59.18	216.99	0.07376	0.06834		-0.64128	
750513	0404	00.	-59.51	216.00	0.05328	0.05964		-0.71707	
750513	0404	10.	-59.83	215.00	0.08857	0.05013		-0.82072	
750513	0404	20.	-60.15	213.97	0.05517	0.03959		-0.94503	
750513	0404	30.	-60.46	212.92	0.00026	0.02743	0.077096	-1.03545	-0.533595
750513	0404	40.	-60.76	211.86	0.00222	0.01371		-1.25158	
750513	0404	50.	-61.06	210.77	0.04580	-0.00161		-1.40722	
750513	0405	00.	-61.34	209.67	-0.16434	-0.01852		-1.55361	
750513	0405	10.	-61.62	208.55	-0.01323	-0.03692		-1.63208	
750513	0405	20.	-61.89	207.41	0.07082	-0.05646		-1.72543	
750513	0405	30.	-62.15	206.23	-0.07001	-0.07678	0.024495	-1.85154	-1.021931
750513	0405	40.	-62.40	205.07	-0.04336	-0.09728		-1.86782	
750513	0405	50.	-62.64	203.87	-0.09144	-0.11736		-1.82455	
750513	0406	00.	-62.88	202.65	-0.12492	-0.13654		-1.71787	
750513	0406	10.	-63.10	201.41	-0.13103	-0.15421		-1.55157	
750513	0406	20.	-63.31	200.16	-0.27511	-0.17001		-1.37777	
750513	0406	30.	-63.51	198.89	-0.21253	-0.18383		-1.09454	
750513	0406	40.	-63.70	197.60	-0.26042	-0.19482		-0.81037	
750513	0406	50.	-63.88	196.30	-0.16455	-0.20293		-0.59107	
750513	0407	00.	-64.05	194.98	-0.18151	-0.20677		-0.35574	

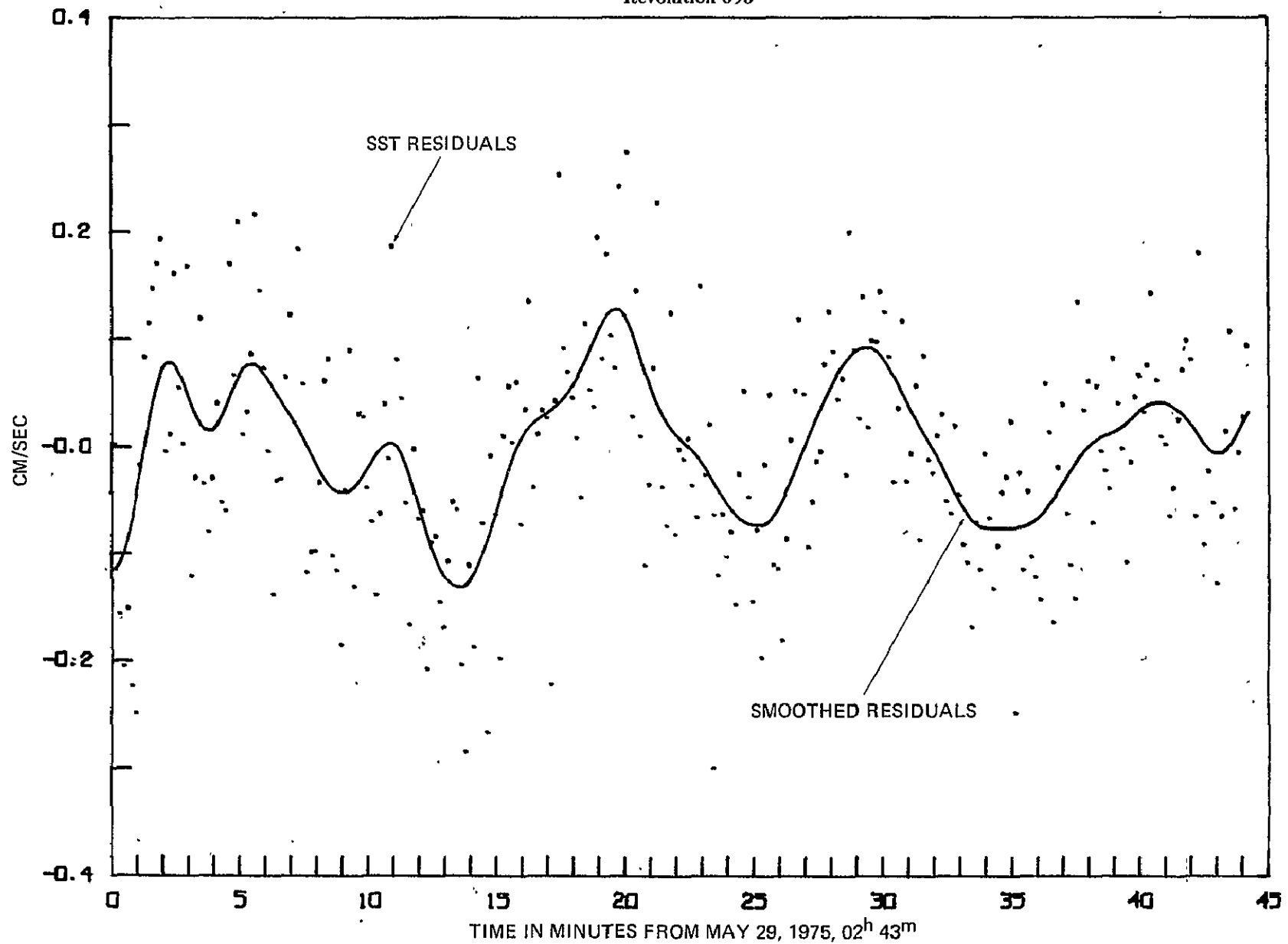
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GEOS-3 Revolution No. 695

May 29, 1975, 02<sup>h</sup> 43<sup>m</sup>

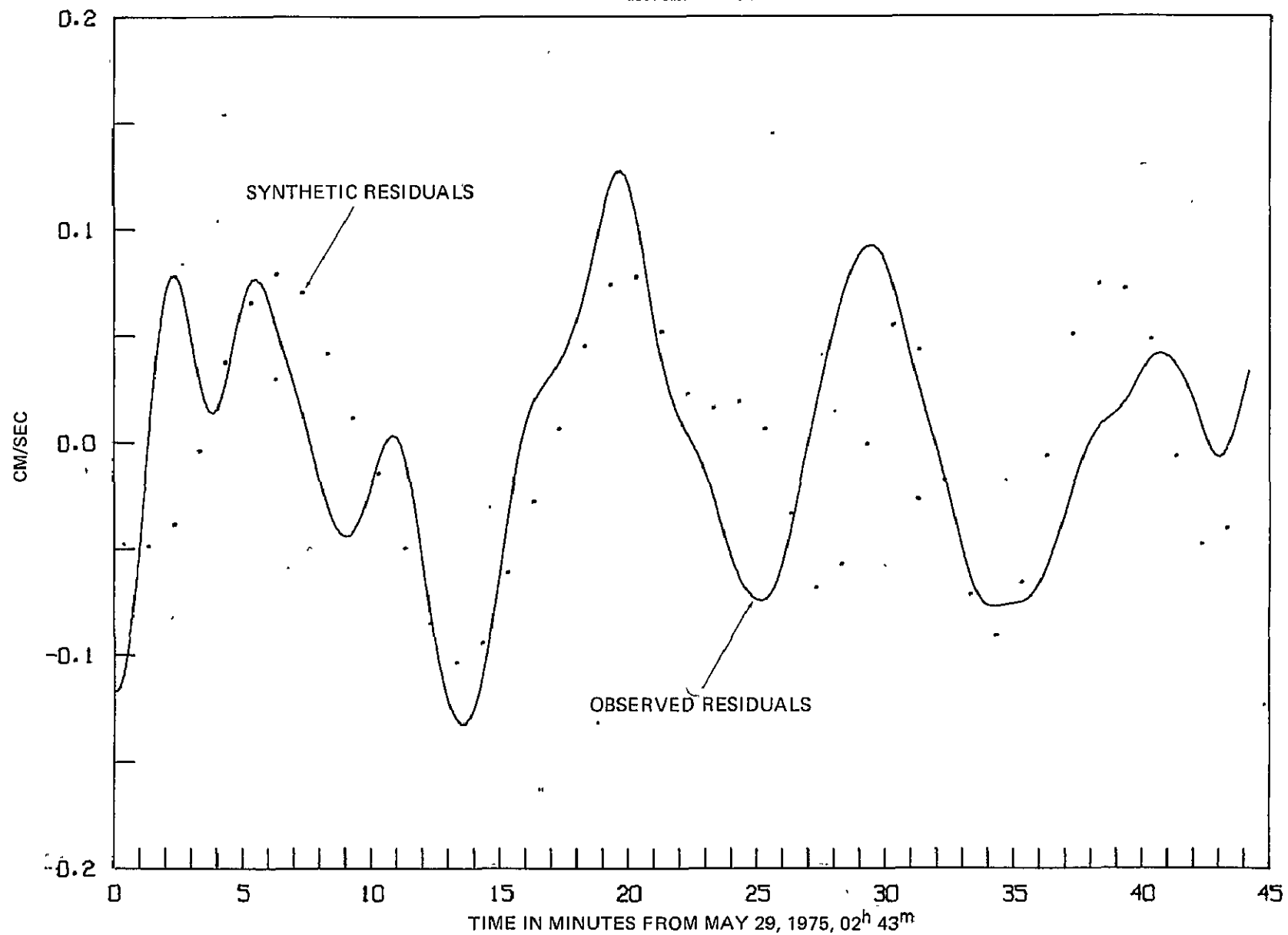
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 695

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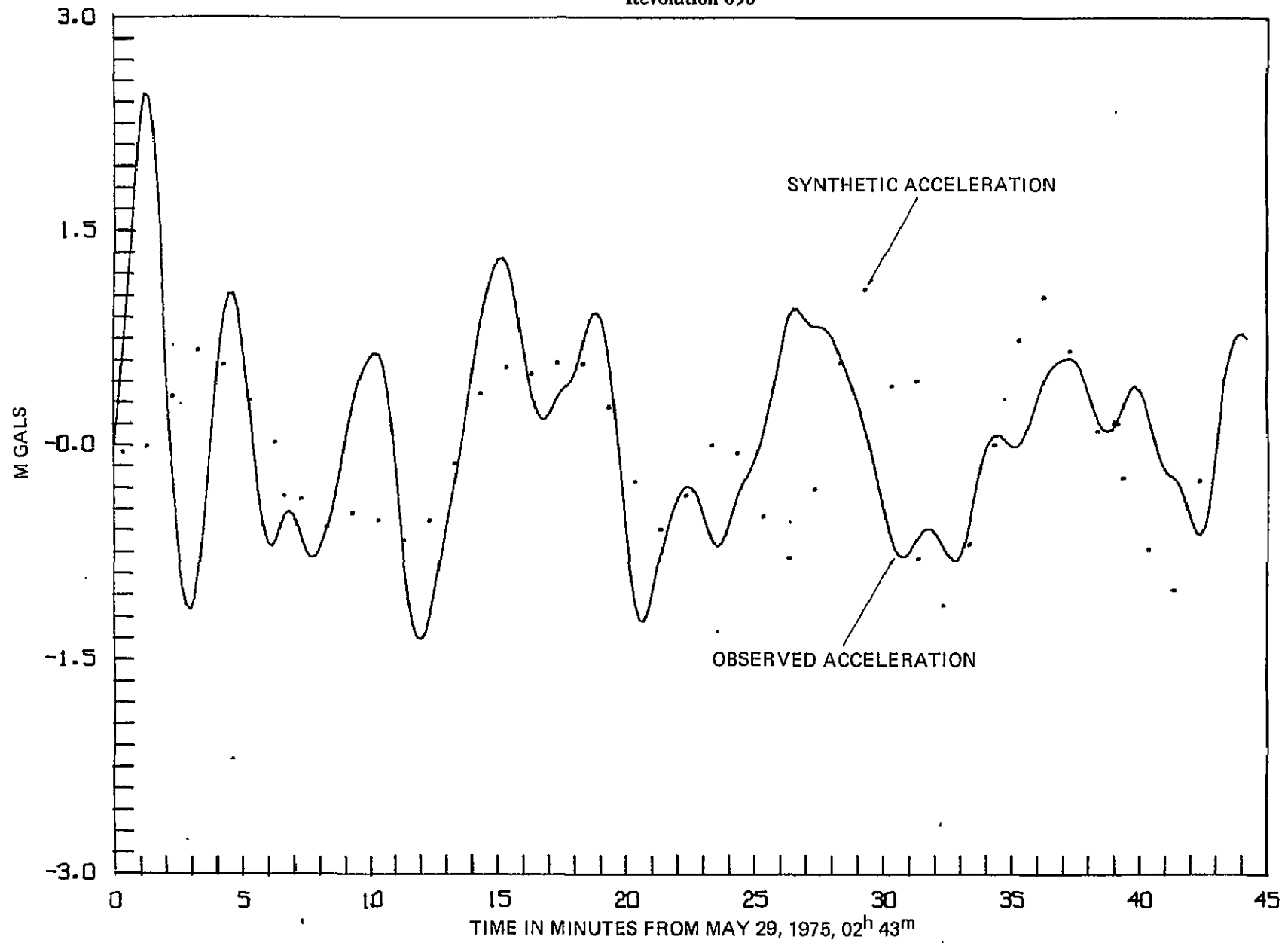
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 695

A-107

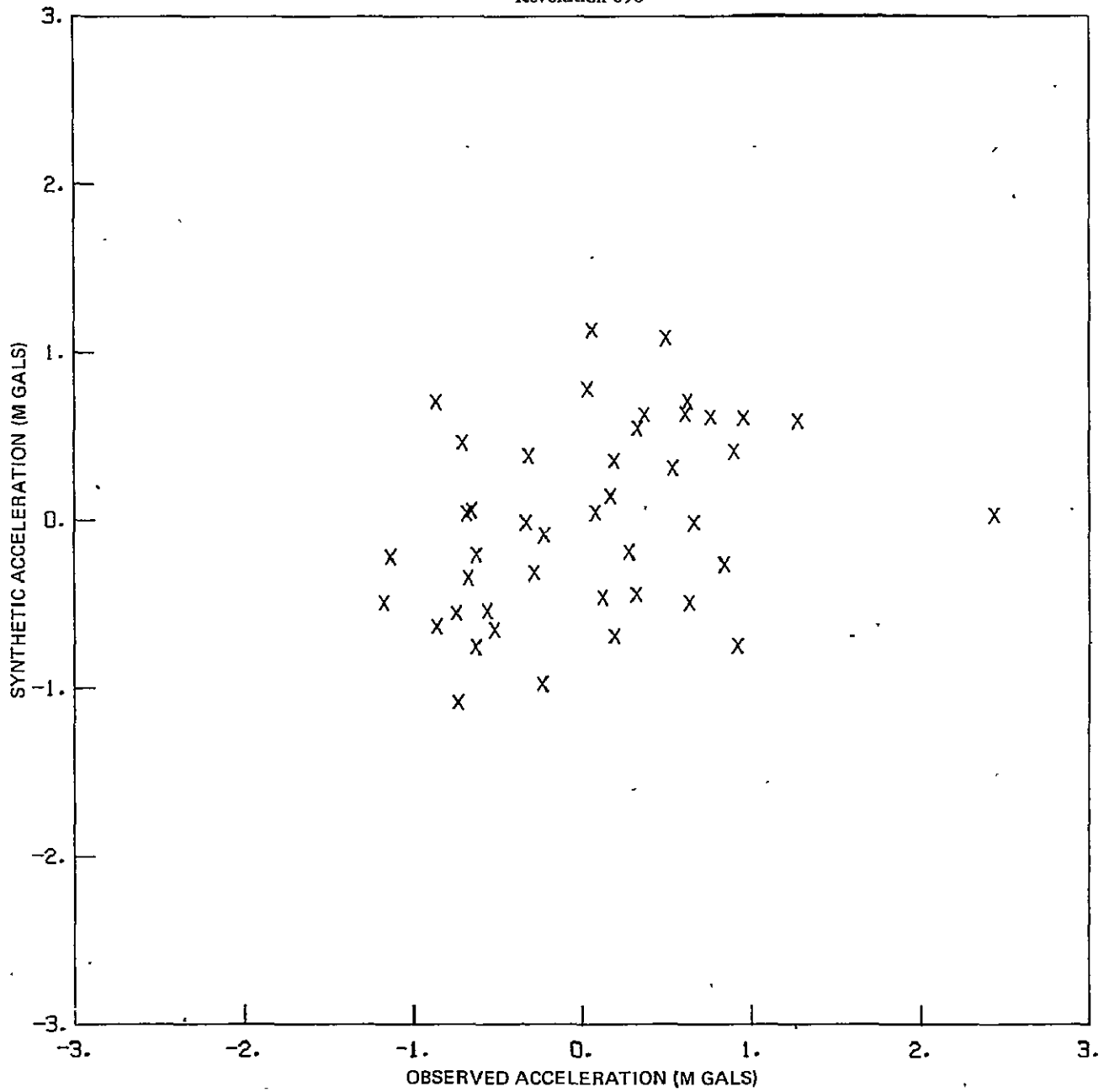


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 695

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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 695



## REVOLUTION 695

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750525	24	4	14.52	14.54	-0.00482	-0.11711		0.00133	
750525	24	14	14.50	14.52	-0.00482	-0.11482		0.23922	
750525	24	24	14.52	14.54	-0.11537	-0.11537	-0.045414	0.65747	-0.019067
750525	24	34	14.53	14.53	-0.05567	-0.05567		1.05776	
750525	24	44	14.53	14.53	-0.14535	-0.14535		1.54065	
750525	24	54	14.54	14.54	-0.21939	-0.21939		1.96437	
750525	25	4	14.54	14.54	-0.24420	-0.24420		2.25485	
750525	25	14	14.54	14.54	-0.11221	-0.11221		2.46603	
750525	25	24	14.54	14.54	-0.22332	-0.22332	-0.046558	2.43374	0.027025
750525	25	34	14.54	14.54	-0.11974	-0.11974		2.19463	
750525	25	44	14.54	14.54	-0.11511	-0.11511		1.78372	
750525	25	54	14.54	14.54	-0.11516	-0.11516		1.26114	
750525	26	4	14.54	14.54	-0.11931	-0.11931		0.69659	
750525	26	14	14.54	14.54	-0.10384	-0.10384		0.15120	
750525	26	24	14.54	14.54	-0.01669	-0.01669	-0.036704	-0.32175	0.381458
750525	26	34	14.54	14.54	-0.11561	-0.11561		-0.70638	
750525	26	44	14.54	14.54	-0.01501	-0.01501		-0.98083	
750525	26	54	14.54	14.54	-0.06998	-0.06998		-1.13278	
750525	27	4	14.54	14.54	-0.17257	-0.17257		-1.15591	
750525	27	14	14.54	14.54	-0.11725	-0.11725		-1.06574	
750525	27	24	14.54	14.54	-0.02342	-0.02342	-0.031324	-0.86565	0.705480
750525	27	34	14.54	14.54	-0.11559	-0.11559		-0.55538	
750525	27	44	14.54	14.54	-0.01444	-0.01444		-0.26790	
750525	27	54	14.54	14.54	-0.07531	-0.07531		0.18620	
750525	28	4	14.54	14.54	-0.02359	-0.02359		0.43364	
750525	28	14	14.54	14.54	-0.11511	-0.11511		0.72577	
750525	28	24	14.54	14.54	-0.04729	-0.04729	-0.040240	0.74910	0.695027
750525	28	34	14.54	14.54	-0.05572	-0.05572		1.06431	
750525	28	44	14.54	14.54	-0.17466	-0.17466		1.06331	
750525	28	54	14.54	14.54	-0.27060	-0.27060		0.94792	
750525	29	4	14.54	14.54	-0.11410	-0.11410		0.74105	
750525	29	14	14.54	14.54	-0.11553	-0.11553		0.47682	
750525	29	24	14.54	14.54	-0.01752	-0.01752	-0.068295	0.18548	0.351358
750525	29	34	14.54	14.54	-0.03144	-0.03144		-0.19512	
750525	29	44	14.54	14.54	-0.22127	-0.22127		-0.37071	
750525	29	54	14.54	14.54	-0.14335	-0.14335		-0.57555	
750525	30	4	14.54	14.54	-0.07701	-0.07701		-0.65460	
750525	30	14	14.54	14.54	-0.00027	-0.00027		-0.71554	
750525	30	24	14.54	14.54	-0.13456	-0.13456	-0.061380	-0.65921	0.055540
750525	30	34	14.54	14.54	-0.02124	-0.02124		-0.56932	
750525	30	44	14.54	14.54	-0.03948	-0.03948		-0.61623	
750525	30	54	14.54	14.54	-0.06578	-0.06578		-0.64230	
750525	31	4	14.54	14.54	-0.12735	-0.12735		-0.45782	
750525	31	14	14.54	14.54	-0.02600	-0.02600		-0.57822	
750525	31	24	14.54	14.54	-0.11335	-0.11335	-0.072847	-0.67749	-0.345919
750525	31	34	14.54	14.54	-0.06217	-0.06217		-0.75311	
750525	31	44	14.54	14.54	-0.11193	-0.11193		-0.73473	
750525	31	54	14.54	14.54	-0.03347	-0.03347		-0.77894	
750525	32	4	14.54	14.54	-0.09306	-0.09306		-0.72526	
750525	32	14	14.54	14.54	-0.02794	-0.02794		-0.65143	
750525	32	24	14.54	14.54	-0.06617	-0.06617	-0.044144	-0.56572	-0.540938
750525	32	34	14.54	14.54	-0.04650	-0.04650		-0.46247	
750525	32	44	14.54	14.54	-0.09816	-0.09816		-0.33969	
750525	32	54	14.54	14.54	-0.11194	-0.11194		-0.16642	
750525	33	4	14.54	14.54	-0.14143	-0.14143		0.11121	
750525	33	14	14.54	14.54	-0.03585	-0.03585		0.17891	
750525	33	24	14.54	14.54	-0.09453	-0.09453	-0.013702	0.31940	-0.445175
750525	33	34	14.54	14.54	-0.12591	-0.12591		0.43091	
750525	33	44	14.54	14.54	-0.03569	-0.03569		0.51655	
750525	33	54	14.54	14.54	-0.01121	-0.01121		0.59329	
750525	34	4	14.54	14.54	-0.13421	-0.13421		0.62604	
750525	34	14	14.54	14.54	-0.06573	-0.06573		0.64915	
750525	34	24	14.54	14.54	-0.13487	-0.13487	-0.012151	0.63198	-0.493111
750525	34	34	14.54	14.54	-0.05704	-0.05704		0.54844	
750525	34	44	14.54	14.54	-0.04517	-0.04517		0.37827	
750525	34	54	14.54	14.54	-0.06666	-0.06666		0.12090	
750525	35	4	14.54	14.54	-0.19057	-0.19057		-0.20192	
750525	35	14	14.54	14.54	-0.26493	-0.26493		-0.54731	
750525	35	24	14.54	14.54	-0.34916	-0.34916	-0.047392	-0.96645	-0.633920
750525	35	34	14.54	14.54	-0.04522	-0.04522		-1.11755	
750525	35	44	14.54	14.54	-0.15225	-0.15225		-1.28172	
750525	35	54	14.54	14.54	-0.03074	-0.03074		-1.26114	
750525	36	4	14.54	14.54	-0.04618	-0.04618		-1.36190	
750525	36	14	14.54	14.54	-0.05819	-0.05819		-1.29710	
750525	36	24	14.54	14.54	-0.02232	-0.02232	-0.062626	-1.19320	-0.491729
750525	36	34	14.54	14.54	-0.07870	-0.07870		-1.03035	
750525	36	44	14.54	14.54	-0.11577	-0.11577		-0.86638	
750525	36	54	14.54	14.54	-0.12100	-0.12100		-0.70025	
750525	37	4	14.54	14.54	-0.12501	-0.12501		-0.55721	
750525	37	14	14.54	14.54	-0.10251	-0.10251		-0.38042	
750525	37	24	14.54	14.54	-0.06515	-0.06515	-0.101223	-0.22546	-0.090710
750525	37	34	14.54	14.54	-0.05441	-0.05441		-0.05973	
750525	37	44	14.54	14.54	-0.13955	-0.13955		0.13814	
750525	37	54	14.54	14.54	-0.28076	-0.28076		0.33523	
750525	38	4	14.54	14.54	-0.12932	-0.12932		0.54411	
750525	38	14	14.54	14.54	-0.10603	-0.10603		0.73305	
750525	38	24	14.54	14.54	-0.18318	-0.18318	-0.051571	0.69623	0.405786
750525	38	34	14.54	14.54	-0.06861	-0.06861		1.03573	
750525	38	44	14.54	14.54	-0.06715	-0.06715		1.15713	
750525	38	54	14.54	14.54	-0.26222	-0.26222		1.25235	
750525	39	4	14.54	14.54	-0.30314	-0.30314		1.30926	
750525	39	14	14.54	14.54	-0.05584	-0.05584	-0.062855	1.31534	
750525	39	24	14.54	14.54	-0.19325	-0.19325		1.26664	0.590606
750525	39	34	14.54	14.54	-0.01443	-0.01443		-1.15812	
750525	39	44	14.54	14.54	-0.01122	-0.01122		1.00065	
750525	39	54	14.54	14.54	-0.03918	-0.03918		0.81951	
750525	40	4	14.54	14.54	-0.06517	-0.06517		0.63311	
750525	40	14	14.54	14.54	-0.00042	-0.00042		0.46154	
750525	40	24	14.54	14.54	-0.00855	-0.00855	-0.062855	0.31578	0.543396
750525	40	34	14.54	14.54	0.01491	0.01491		0.22304	
750525	40	44	14.54	14.54	-0.19368	-0.19368		0.18037	
750525	40	54	14.54	14.54	-0.01572	-0.01572		0.18925	
750525	41	4	14.54	14.54	-0.02354	-0.02354		0.23541	
750525	41	14	14.54	14.54	-0.02354	-0.02354		0.30270	

REVOLUTION 695

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750529	00	00	23.11	275.40	0.04758	0.03354	0.009122	0.36314	0.623968
750529	00	01	23.11	275.40	0.04758	0.03354		0.40078	
750529	00	02	23.11	275.40	0.04758	0.03354		0.42748	
750529	00	03	23.11	275.40	0.04758	0.03354		0.45365	
750529	00	04	23.11	275.40	0.04758	0.03354		0.47932	
750529	00	05	23.11	275.40	0.04758	0.03354		0.50499	
750529	00	06	23.11	275.40	0.04758	0.03354		0.53066	
750529	00	07	23.11	275.40	0.04758	0.03354		0.55633	
750529	00	08	23.11	275.40	0.04758	0.03354		0.58199	
750529	00	09	23.11	275.40	0.04758	0.03354		0.60766	
750529	00	10	23.11	275.40	0.04758	0.03354		0.63333	
750529	00	11	23.11	275.40	0.04758	0.03354		0.65899	
750529	00	12	23.11	275.40	0.04758	0.03354		0.68466	
750529	00	13	23.11	275.40	0.04758	0.03354		0.71033	
750529	00	14	23.11	275.40	0.04758	0.03354		0.73599	
750529	00	15	23.11	275.40	0.04758	0.03354		0.76166	
750529	00	16	23.11	275.40	0.04758	0.03354		0.78733	
750529	00	17	23.11	275.40	0.04758	0.03354		0.81299	
750529	00	18	23.11	275.40	0.04758	0.03354		0.83866	
750529	00	19	23.11	275.40	0.04758	0.03354		0.86433	
750529	00	20	23.11	275.40	0.04758	0.03354		0.88999	
750529	00	21	23.11	275.40	0.04758	0.03354		0.91566	
750529	00	22	23.11	275.40	0.04758	0.03354		0.94133	
750529	00	23	23.11	275.40	0.04758	0.03354		0.96699	
750529	00	24	23.11	275.40	0.04758	0.03354		0.99266	
750529	00	25	23.11	275.40	0.04758	0.03354		1.01833	
750529	00	26	23.11	275.40	0.04758	0.03354		1.04399	
750529	00	27	23.11	275.40	0.04758	0.03354		1.06966	
750529	00	28	23.11	275.40	0.04758	0.03354		1.09533	
750529	00	29	23.11	275.40	0.04758	0.03354		1.12099	
750529	00	30	23.11	275.40	0.04758	0.03354		1.14666	
750529	00	31	23.11	275.40	0.04758	0.03354		1.17233	
750529	00	32	23.11	275.40	0.04758	0.03354		1.19799	
750529	00	33	23.11	275.40	0.04758	0.03354		1.22366	
750529	00	34	23.11	275.40	0.04758	0.03354		1.24933	
750529	00	35	23.11	275.40	0.04758	0.03354		1.27499	
750529	00	36	23.11	275.40	0.04758	0.03354		1.30066	
750529	00	37	23.11	275.40	0.04758	0.03354		1.32633	
750529	00	38	23.11	275.40	0.04758	0.03354		1.35199	
750529	00	39	23.11	275.40	0.04758	0.03354		1.37766	
750529	00	40	23.11	275.40	0.04758	0.03354		1.40333	
750529	00	41	23.11	275.40	0.04758	0.03354		1.42899	
750529	00	42	23.11	275.40	0.04758	0.03354		1.45466	
750529	00	43	23.11	275.40	0.04758	0.03354		1.48033	
750529	00	44	23.11	275.40	0.04758	0.03354		1.50599	
750529	00	45	23.11	275.40	0.04758	0.03354		1.53166	
750529	00	46	23.11	275.40	0.04758	0.03354		1.55733	
750529	00	47	23.11	275.40	0.04758	0.03354		1.58299	
750529	00	48	23.11	275.40	0.04758	0.03354		1.60866	
750529	00	49	23.11	275.40	0.04758	0.03354		1.63433	
750529	00	50	23.11	275.40	0.04758	0.03354		1.65999	
750529	00	51	23.11	275.40	0.04758	0.03354		1.68566	
750529	00	52	23.11	275.40	0.04758	0.03354		1.71133	
750529	00	53	23.11	275.40	0.04758	0.03354		1.73699	
750529	00	54	23.11	275.40	0.04758	0.03354		1.76266	
750529	00	55	23.11	275.40	0.04758	0.03354		1.78833	
750529	00	56	23.11	275.40	0.04758	0.03354		1.81399	
750529	00	57	23.11	275.40	0.04758	0.03354		1.83966	
750529	00	58	23.11	275.40	0.04758	0.03354		1.86533	
750529	00	59	23.11	275.40	0.04758	0.03354		1.89099	
750529	00	60	23.11	275.40	0.04758	0.03354		1.91666	
750529	00	61	23.11	275.40	0.04758	0.03354		1.94233	
750529	00	62	23.11	275.40	0.04758	0.03354		1.96799	
750529	00	63	23.11	275.40	0.04758	0.03354		1.99366	
750529	00	64	23.11	275.40	0.04758	0.03354		2.01933	
750529	00	65	23.11	275.40	0.04758	0.03354		2.04499	
750529	00	66	23.11	275.40	0.04758	0.03354		2.07066	
750529	00	67	23.11	275.40	0.04758	0.03354		2.09633	
750529	00	68	23.11	275.40	0.04758	0.03354		2.12199	
750529	00	69	23.11	275.40	0.04758	0.03354		2.14766	
750529	00	70	23.11	275.40	0.04758	0.03354		2.17333	
750529	00	71	23.11	275.40	0.04758	0.03354		2.19899	
750529	00	72	23.11	275.40	0.04758	0.03354		2.22466	
750529	00	73	23.11	275.40	0.04758	0.03354		2.25033	
750529	00	74	23.11	275.40	0.04758	0.03354		2.27599	
750529	00	75	23.11	275.40	0.04758	0.03354		2.30166	
750529	00	76	23.11	275.40	0.04758	0.03354		2.32733	
750529	00	77	23.11	275.40	0.04758	0.03354		2.35299	
750529	00	78	23.11	275.40	0.04758	0.03354		2.37866	
750529	00	79	23.11	275.40	0.04758	0.03354		2.40433	
750529	00	80	23.11	275.40	0.04758	0.03354		2.42999	
750529	00	81	23.11	275.40	0.04758	0.03354		2.45566	
750529	00	82	23.11	275.40	0.04758	0.03354		2.48133	
750529	00	83	23.11	275.40	0.04758	0.03354		2.50699	
750529	00	84	23.11	275.40	0.04758	0.03354		2.53266	
750529	00	85	23.11	275.40	0.04758	0.03354		2.55833	
750529	00	86	23.11	275.40	0.04758	0.03354		2.58399	
750529	00	87	23.11	275.40	0.04758	0.03354		2.60966	
750529	00	88	23.11	275.40	0.04758	0.03354		2.63533	
750529	00	89	23.11	275.40	0.04758	0.03354		2.66099	
750529	00	90	23.11	275.40	0.04758	0.03354		2.68666	
750529	00	91	23.11	275.40	0.04758	0.03354		2.71233	
750529	00	92	23.11	275.40	0.04758	0.03354		2.73799	
750529	00	93	23.11	275.40	0.04758	0.03354		2.76366	
750529	00	94	23.11	275.40	0.04758	0.03354		2.78933	
750529	00	95	23.11	275.40	0.04758	0.03354		2.81499	
750529	00	96	23.11	275.40	0.04758	0.03354		2.84066	
750529	00	97	23.11	275.40	0.04758	0.03354		2.86633	
750529	00	98	23.11	275.40	0.04758	0.03354		2.89199	
750529	00	99	23.11	275.40	0.04758	0.03354		2.91766	
750529	00	00	23.11	275.40	0.04758	0.03354		2.94333	
750529	00	01	23.11	275.40	0.04758	0.03354		2.96899	
750529	00	02	23.11	275.40	0.04758	0.03354		2.99466	
750529	00	03	23.11	275.40	0.04758	0.03354		3.02033	
750529	00	04	23.11	275.40	0.04758	0.03354		3.04599	
750529	00	05	23.11	275.40	0.04758	0.03354		3.07166	
750529	00	06	23.11	275.40	0.04758	0.03354		3.09733	
750529	00	07	23.11	275.40	0.04758	0.03354		3.12299	
750529	00	08	23.11	275.40	0.04758	0.03354		3.14866	
750529	00	09	23.11	275.40	0.04758	0.03354		3.17433	
750529	00	10	23.11	275.40	0.04758	0.03354		3.20000	
750529	00	11	23.11	275.40	0.04758	0.03354		3.22566	
750529	00	12	23.11	275.40	0.04758	0.03354		3.25133	
750529	00	13	23.11	275.40	0.04758	0.03354		3.27699	
750529	00	14	23.11	275.40	0.04758	0.03354		3.30266	
750529	00	15	23.11	275.40	0.04758	0.03354		3.32833	
750529	00	16	23.11	275.40	0.04758	0.03354		3.35399	
750529	00	17	23.11	275.40	0.04758	0.03354		3.37966	
750529	00	18	23.11	275.40	0.04758	0.03354		3.40533	
750529	00	19	23.11	275.40	0.04758	0.03354		3.43100	
750529	00	20	23.11	275.40	0.04758	0.03354		3.45666	
750529	00	21	23.11	275.40	0.04758	0.03354		3.48233	
750529	00	22	23.11	275.40	0.04758	0.03354		3.50799	
750529	00	23	23.11	275.40	0.04758	0.03354		3.53366	
750529	00	24	23.11	275.40	0.04758	0.03354		3.55933	
750529	00	25	23.11	275.40	0.04758	0.03354		3.58500	
750529	00	26	23.11	275.40	0.04758	0.03354		3.61066	
750529									



REVOLUTION 695

OBSERVATION TIME		GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM SEC	LAT	E LONG					
750525	317 10.	-21.14	247.23	-0.12224	-0.07720	-0.06601	0.07452	0.043757
750529	317 10.	-21.15	246.85	-0.05774	-0.07076		0.07014	
750529	317 10.	-21.16	246.62	-0.05710	-0.07635		0.04502	
750529	317 10.	-21.71	246.28	-0.02264	-0.07601		0.01223	
750529	318 00.	-21.23	245.55	0.02308	-0.07571		-0.00964	
750529	318 10.	-21.70	243.61	-0.24384	-0.07532		-0.09456	
750529	318 10.	-21.40	245.27	-0.01715	-0.07472	-0.063208	0.03077	0.778368
750529	318 10.	-21.41	244.93	-0.11036	-0.07374		0.09093	
750529	318 10.	-21.53	244.03	-0.03630	-0.07212		0.17066	
750529	318 10.	-21.46	244.24	-0.07850	-0.06963		0.25523	
750529	319 00.	-20.30	245.89	-0.11779	-0.06623		0.35347	
750529	319 10.	-20.40	244.94	-0.17028	-0.06218		0.42531	
750529	319 10.	-17.42	244.18	0.00431	-0.06375	-0.003751	0.49534	1.083713
750529	319 10.	-17.64	242.82	0.01031	-0.05816		0.53812	
750529	319 10.	-18.45	242.46	-0.13558	-0.04551		0.56985	
750529	319 10.	-18.48	242.10	-0.01375	-0.03945		0.59444	
750529	320 00.	-19.49	241.73	0.00436	-0.03253		0.61106	
750529	320 10.	-20.01	241.26	-0.05775	-0.02621		0.62697	
750529	320 10.	-20.00	240.00	-0.10601	-0.01950	0.053139	0.62020	0.704127
750529	320 10.	-21.02	240.07	-0.11710	-0.01330		0.59601	
750529	320 10.	-21.05	240.73	0.13267	-0.00758		0.52611	
750529	320 10.	-21.07	240.64	0.00861	-0.00230		0.44435	
750529	321 00.	-21.00	240.45	0.00288	0.00150		0.33945	
750529	321 10.	-21.00	240.00	-0.00601	0.00521		0.24146	
750529	321 10.	-21.00	240.00	0.00163	0.00763	0.077061	0.16354	0.139972
750529	321 10.	-21.00	240.00	0.00012	0.00523		0.11482	
750529	321 10.	-21.00	240.00	-0.01784	0.01147		0.09804	
750529	321 10.	-21.00	240.00	-0.03448	0.01302		0.11169	
750529	321 10.	-21.00	240.00	0.03700	0.01470		0.14203	
750529	321 10.	-21.00	240.00	0.03467	0.01699		0.20493	
750529	321 10.	-21.00	240.00	0.03293	0.01562	0.074623	0.27745	-0.192156
750529	321 10.	-21.00	240.00	-0.13372	0.02320		0.35265	
750529	321 10.	-21.00	240.00	-0.00660	0.02659		0.40285	
750529	321 10.	-21.00	240.00	0.03213	0.02043		0.42273	
750529	321 10.	-21.00	240.00	0.07219	0.02457		0.36573	
750529	321 10.	-21.00	240.00	0.03718	0.02777	0.050682	0.30181	-0.691294
750529	321 10.	-21.00	240.00	0.08127	0.04012		0.18486	
750529	321 10.	-21.00	240.00	0.14705	0.04146		0.05576	
750529	321 10.	-21.00	240.00	0.06546	0.04179		-0.06924	
750529	321 10.	-21.00	240.00	0.01427	0.04119		-0.14413	
750529	321 10.	-21.00	240.00	0.13721	0.03572		-0.19239	
750529	321 10.	-21.00	240.00	-0.00011	0.03773		-0.21685	
750529	321 10.	-21.00	240.00	-0.03306	0.03605	-0.004115	-0.23576	-0.574396
750529	321 10.	-21.00	240.00	0.03067	0.03174		-0.28341	
750529	321 10.	-21.00	240.00	0.07876	0.02777		-0.25135	
750529	321 10.	-21.00	240.00	0.10422	0.02310		-0.45375	
750529	321 10.	-21.00	240.00	0.05555	0.01775		-0.54391	
750529	321 10.	-21.00	240.00	-0.00048	0.01157		-0.51431	
750529	321 10.	-21.00	240.00	0.18460	0.00603	-0.045370	-0.62694	-0.209022
750529	321 10.	-21.00	240.00	0.00001	0.00001		-0.55905	
750529	321 10.	-21.00	240.00	-0.01733	0.00001		-0.42515	
750529	321 10.	-21.00	240.00	-0.04737	0.00000		-0.20200	
750529	321 10.	-21.00	240.00	-0.00000	0.00000		0.02191	
750529	321 10.	-21.00	240.00	-0.00000	0.00000		0.26475	
750529	321 10.	-21.00	240.00	-0.00000	0.00000		0.47543	
750529	321 10.	-21.00	240.00	-0.00000	0.00000		0.63467	
750529	321 10.	-21.00	240.00	-0.00000	0.00000		0.73594	
750529	321 10.	-21.00	240.00	-0.00000	0.00000		0.73958	
750529	321 10.	-21.00	240.00	0.00000	0.00000		0.79735	
750529	321 10.	-21.00	240.00	0.00000	0.00000		0.74525	

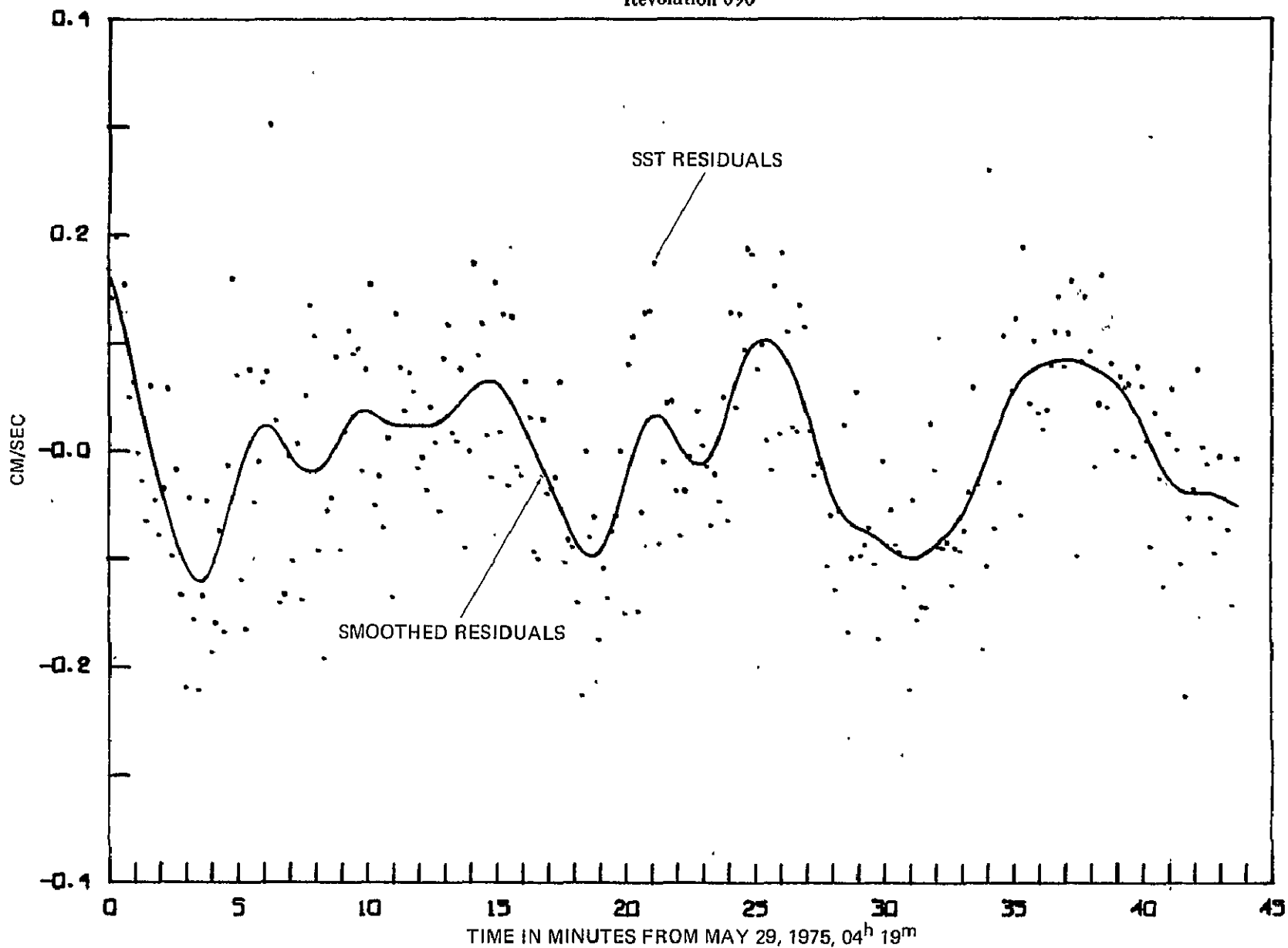
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GEOS-3 Revolution No. 696

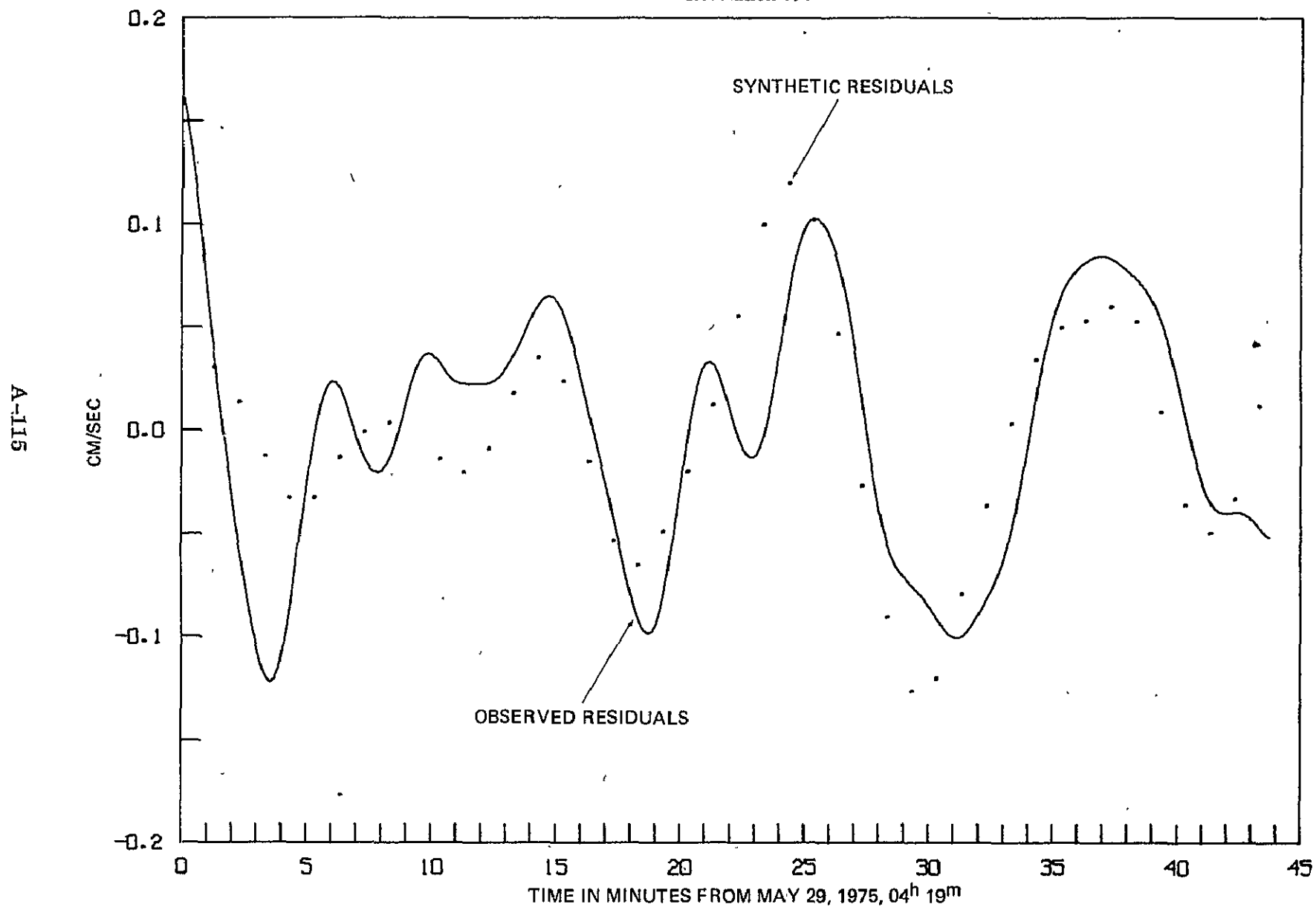
May 29, 1975, 04<sup>h</sup> 19<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 696

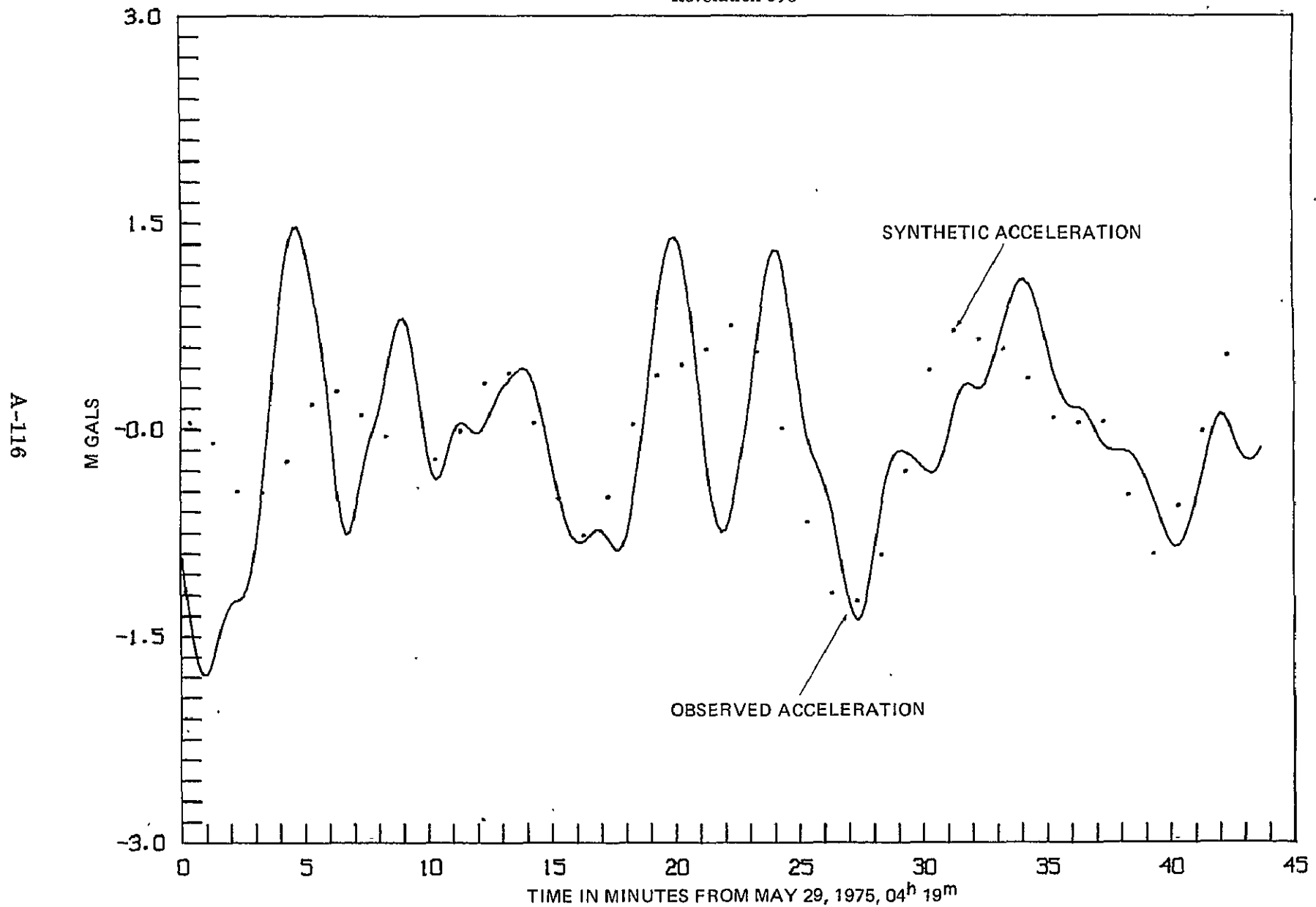
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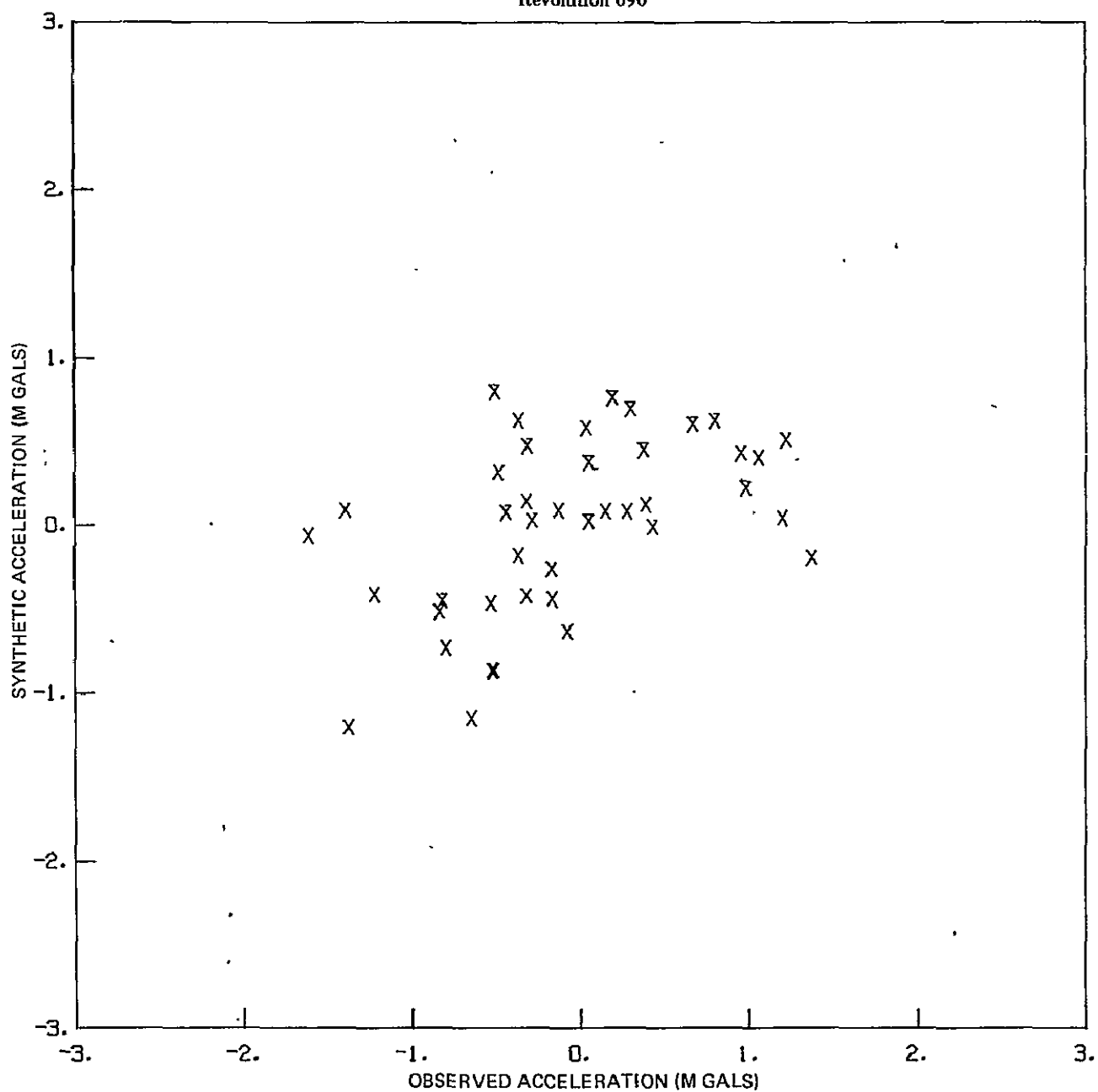
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 696



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 696



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 696



REVOLUTION 696

OBSERVATION TIME		SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM . SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750529	414 . 4.	52.86	24.34	0.17349	0.16124		-0.92378	
750529	419 14.	53.28	23.81	0.14551	0.15578		-1.17107	
750529	419 24.	53.71	23.17	0.23286	0.13655	0.028121	-1.39684	0.084617
750529	419 34.	54.11	22.32	0.13212	0.12591		-1.55562	
750529	419 44.	54.52	21.55	0.15674	0.10367		-1.72012	
750529	419 54.	54.92	20.77	0.05354	0.08521		-1.78805	
750529	420 4.	55.32	19.97	0.26648	0.06520		-1.78662	
750529	420 14.	55.71	19.16	0.06179	0.04745		-1.72425	
750529	420 24.	56.16	18.33	0.02426	0.02914	0.033192	-1.62053	0.066772
750529	420 34.	56.48	17.48	0.06142	0.01171		-1.50236	
750529	420 44.	56.86	16.62	0.06571	0.00472		-1.39553	
750529	420 54.	57.23	15.75	0.04169	0.00177		-1.31477	
750529	421 4.	57.60	14.85	0.07463	0.00488		-1.26405	
750529	421 14.	57.96	13.94	0.03732	0.00256		-1.24052	
750529	421 24.	58.33	13.01	0.00292	0.00273	0.016102	-1.23055	0.0418177
750529	421 34.	58.67	12.07	0.00267	0.00092		-1.21006	
750529	421 44.	59.01	11.15	0.01279	0.00823		-1.15192	
750529	421 54.	59.34	10.12	0.02960	0.00547		-1.07832	
750529	422 4.	59.67	9.16	0.01511	0.00360		-1.05518	
750529	422 14.	60.00	8.17	0.03684	0.01163		-0.91416	
750529	422 24.	60.31	7.20	0.05261	0.01291	0.011124	-0.81416	0.0420017
750529	422 34.	60.62	6.00	0.01780	0.01235		-0.68016	
750529	422 44.	60.92	4.93	0.02947	0.01051		-0.53575	
750529	422 54.	61.21	3.94	0.04166	0.01151		-0.40546	
750529	423 4.	61.49	2.92	0.02247	0.00954		-0.35339	
750529	423 14.	61.76	1.90	0.05453	0.00950		-1.10877	
750529	423 24.	62.03	0.92	0.03392	0.00878	0.033351	-1.37481	0.198302
750529	423 34.	62.28	0.00	0.06363	0.00683		-1.46694	
750529	423 44.	62.53	0.97	0.08660	0.00534		-1.47715	
750529	423 54.	62.77	1.86	0.16417	0.00384		-1.39551	
750529	424 4.	62.99	2.74	0.07420	0.00243		-1.27262	
750529	424 14.	63.21	3.54	0.11539	0.00196		-1.13146	
750529	424 24.	63.42	4.33	0.16126	0.00051	0.030000	-0.98024	0.216027
750529	424 34.	63.61	5.11	0.08046	0.00096		-0.81655	
750529	424 44.	63.85	5.93	0.04329	0.00178		-0.59416	
750529	424 54.	63.97	6.72	0.00458	0.00186		-0.35032	
750529	425 4.	64.13	7.49	0.06654	0.00279		-0.06818	
750529	425 14.	64.28	8.24	0.07885	0.00299		-0.22646	
750529	425 24.	64.42	8.95	0.03695	0.00172	0.010784	-0.43445	0.314555
750529	425 34.	64.55	9.62	0.03263	0.00140		-0.68642	
750529	425 44.	64.67	10.24	0.01662	0.00024		-0.76797	
750529	425 54.	64.77	10.84	0.02777	0.00013		-0.74110	
750529	426 4.	64.86	11.43	0.00066	0.00054		-0.63487	
750529	426 14.	64.94	12.00	0.09768	0.00123		-0.48492	
750529	426 24.	65.00	12.56	0.01206	0.00076	0.001729	-0.32408	0.136318
750529	426 34.	65.06	13.13	0.03357	0.00085		-0.17703	
750529	426 44.	65.10	13.69	0.06632	0.00055		-0.05674	
750529	426 54.	65.12	14.25	0.03986	0.00081		-0.04177	
750529	427 4.	65.14	14.81	0.01070	0.00055		-0.14266	
750529	427 14.	65.14	15.37	0.08506	0.00077		-0.27363	
750529	427 24.	65.13	15.92	0.01881	0.00020	0.000093	-0.42819	0.016983
750529	427 34.	65.11	16.47	0.05019	0.00074		-0.59077	
750529	427 44.	65.06	17.03	0.03666	0.00050		-0.72444	
750529	427 54.	65.01	17.58	0.02262	0.00099		-0.81082	
750529	428 4.	64.95	18.14	0.08746	0.00148		-0.80304	
750529	428 14.	64.87	18.70	0.02297	0.00223		-0.73638	
750529	428 24.	64.78	19.25	0.01628	0.00256		-0.59303	
750529	428 34.	64.68	19.80	0.02442	0.00341		-0.36929	
750529	428 44.	64.57	20.35	0.05946	0.00364		-0.16616	
750529	428 54.	64.44	20.90	0.01503	0.00375		-0.04587	
750529	429 4.	64.31	21.45	0.08091	0.00369		-0.21972	
750529	429 14.	64.16	22.00	0.05911	0.00340		-0.33425	
750529	429 24.	64.00	22.55	0.04661	0.00185	0.0011777	-0.37338	0.187952
750529	429 34.	63.83	23.10	0.01812	0.00289		-0.33772	
750529	429 44.	63.64	23.65	0.06662	0.00222		-0.24792	
750529	429 54.	63.45	24.20	0.01725	0.00217		-0.13590	
750529	430 4.	63.24	24.75	0.03124	0.00296		-0.03471	
750529	430 14.	63.03	25.30	0.03181	0.00216		-0.02899	
750529	430 24.	62.80	25.85	0.08133	0.00196	0.0018403	-0.04647	0.019027
750529	430 34.	62.57	26.40	0.04120	0.00200		-0.02916	
750529	430 44.	62.32	26.95	0.07809	0.00208		-0.00331	
750529	430 54.	62.07	27.50	0.05968	0.00212		-0.02977	
750529	431 4.	61.81	28.05	0.01225	0.00219		-0.03311	
750529	431 14.	61.53	28.60	0.00072	0.00239		-0.00662	
750529	431 24.	61.25	29.15	0.03238	0.00229	0.0006597	-0.04486	0.370044
750529	431 34.	60.96	29.70	0.04647	0.00230		-0.11149	
750529	431 44.	60.67	30.25	0.01223	0.00255		-0.18212	
750529	431 54.	60.36	30.80	0.03179	0.00275		-0.26747	
750529	432 4.	60.05	31.35	0.05116	0.00305		-0.29950	
750529	432 14.	59.73	31.90	0.02236	0.00393		-0.33782	
750529	432 24.	59.40	32.45	0.00075	0.00378	0.0020547	-0.37332	0.442657
750529	432 34.	59.07	33.00	0.01547	0.00428		-0.42006	
750529	432 44.	58.73	33.55	0.08077	0.00465		-0.42967	
750529	432 54.	58.38	34.10	0.05552	0.00510		-0.44359	
750529	433 4.	58.12	34.65	0.00433	0.00538		-0.42838	
750529	433 14.	57.65	35.20	0.01849	0.00516		-0.37092	
750529	433 24.	57.33	35.75	0.09306	0.00225	0.0037308	-0.27354	0.076355
750529	433 34.	56.93	36.30	0.02344	0.00433		-0.15091	
750529	433 44.	56.55	36.85	0.01647	0.00515		-0.01606	
750529	433 54.	56.17	37.40	0.00013	0.00431		-0.12342	
750529	434 4.	55.79	37.95	0.01696	0.00231		-0.20647	
750529	434 14.	55.39	38.50	0.02139	0.00386		-0.43822	
750529	434 24.	54.96	39.05	0.03100	0.00382	0.0026110	-0.53983	0.469929
750529	434 34.	54.53	39.60	0.02642	0.00473		-0.65259	
750529	434 44.	54.13	40.15	0.01944	0.00405		-0.73999	
750529	434 54.	53.77	40.70	0.01078	0.00319		-0.79749	
750529	435 4.	53.35	41.25	0.01859	0.00234		-0.82573	
750529	435 14.	52.93	41.80	0.00029	0.00145		-0.82811	
750529	435 24.	52.51	42.35	0.03353	0.00079	0.0013059	-0.81008	0.736297
750529	435 34.	52.08	42.90	0.08614	0.00288		-0.77801	
750529	435 44.	51.65	43.45	0.00651	0.00114		-0.74593	
750529	435 54.	51.22	44.00	0.03464	0.00097		-0.73139	
750529	436 4.	50.78	44.55	0.03540	0.00251		-0.74522	
750529	436 14.	50.34	45.10	0.02956	0.00372		-0.77908	

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REVOLUTION 696

OBSERVATION TIME			GEOS-3		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	SUBSATELLITE POINT	LAT	E. LONG				
750629	430	25	49.19	271.32	-0.01422	-0.04623	-0.051406	-0.82848	-0.457449
750629	435	35	49.15	273.69	-0.06889	-0.06889		-0.87284	
750629	430	45	49.15	272.70	-0.09901	-0.06453		-0.88809	
750629	436	55	48.34	269.45	-0.07693	-0.07341		-0.85554	
750629	437	10	48.09	269.35	-0.08466	-0.07153		-0.76625	
750629	437	15	47.63	269.26	-0.13647	-0.08663		-0.62874	
750629	437	25	47.17	267.69	-0.22236	-0.09412	-0.063919	-0.44835	0.068613
750629	437	35	46.77	267.11	-0.34453	-0.09768		-0.24320	
750629	437	45	46.34	266.54	-0.47592	-0.09992		-0.02202	
750629	437	55	45.77	266.09	-0.55966	-0.10363		-0.21479	
750629	439	5	45.17	265.44	-0.68776	-0.09374		-0.46442	
750629	438	15	44.52	264.97	-0.81323	-0.08730		-0.71607	
750629	438	25	44.15	264.37	-0.93176	-0.07945	-0.046608	-0.95147	0.024301
750629	438	35	43.67	263.85	-1.05226	-0.07477		-1.15105	
750629	438	45	43.19	263.34	-1.16367	-0.06847		-1.29824	
750629	438	55	42.71	262.83	-1.26755	-0.06189		-1.38252	
750629	439	5	42.22	262.33	-1.36412	-0.05452		-1.39653	
750629	439	15	41.74	261.84	-1.45447	-0.04740		-1.34761	
750629	439	25	41.25	261.35	-1.53884	-0.04084	-0.017554	-1.21805	0.0504854
750629	439	35	40.75	260.87	-1.61663	-0.03454		-1.03576	
750629	439	45	40.27	260.37	-1.68814	-0.02819		-0.80042	
750629	439	55	39.79	259.89	-1.75337	-0.02257		-0.51821	
750629	440	5	39.30	259.40	-1.81255	-0.01744		-0.19984	
750629	440	15	38.82	258.92	-1.86593	-0.01319		-0.10574	
750629	440	25	38.34	258.43	-1.91355	-0.00915	0.014740	-0.37561	0.021241
750629	440	35	37.85	257.94	-1.95566	-0.00571		-0.57506	
750629	440	45	37.37	257.45	-2.00252	-0.00252		-0.70144	
750629	440	55	36.89	256.96	-2.04443	-0.00149		-0.75288	
750629	441	5	36.40	256.47	-2.08195	-0.00069		-0.73096	
750629	441	15	35.92	255.98	-2.11448	-0.00018		-0.64345	
750629	441	25	35.44	255.49	-2.14179	-0.00071	0.05814	-0.51424	0.0791053
750629	441	35	34.95	255.00	-2.16407	-0.00102		-0.35631	
750629	441	45	34.47	254.51	-2.18193	-0.00129		-0.17968	
750629	441	55	33.98	254.02	-2.19574	-0.00137		0.00921	
750629	442	5	33.49	253.53	-2.20526	-0.00125		0.21326	
750629	442	15	32.99	253.04	-2.21048	-0.00045		0.43381	
750629	442	25	32.50	252.55	-2.21231	-0.00023	0.103540	0.66475	0.0597255
750629	442	35	31.99	252.06	-2.21024	-0.00025		0.88990	
750629	442	45	31.49	251.57	-2.20427	-0.00164		1.08672	
750629	442	55	30.99	251.08	-2.19415	-0.00233		1.23161	
750629	443	5	30.47	250.59	-2.17941	-0.00412		1.39510	
750629	443	15	29.95	250.10	-2.16041	-0.00531		1.29376	
750629	443	25	29.44	249.61	-2.13724	-0.00668	0.122575	1.19550	0.037610
750629	443	35	28.92	249.12	-2.11167	-0.00731		1.02107	
750629	443	45	28.40	248.63	-2.08282	-0.00758		0.79108	
750629	443	55	27.88	248.14	-2.05044	-0.00947		0.53426	
750629	444	5	27.36	247.65	-2.01562	-0.00962		0.28420	
750629	444	15	26.84	247.16	-1.97894	-0.01023		0.07209	
750629	444	25	26.32	246.67	-1.93964	-0.01035	0.104704	-0.68550	-0.637443
750629	444	35	25.79	246.18	-1.89731	-0.01021		-0.19081	
750629	444	45	25.25	245.69	-1.85143	-0.00996		-0.26269	
750629	444	55	24.65	245.20	-1.80199	-0.00959		-0.32883	
750629	445	5	24.12	244.71	-1.74973	-0.00921		-0.41088	
750629	445	15	23.59	244.22	-1.69430	-0.00859		-0.51991	
750629	445	25	23.07	243.73	-1.63544	-0.00797	0.049227	-0.65536	-1.154312
750629	445	35	22.55	243.24	-1.57264	-0.00714		-0.82792	
750629	445	45	22.02	242.75	-1.50615	-0.00610		-0.96856	
750629	445	55	21.49	242.26	-1.43599	-0.00515		-1.12696	
750629	446	5	20.96	241.77	-1.36187	-0.00339		-1.26441	
750629	446	15	20.43	241.28	-1.28422	-0.00237		-1.35673	
750629	446	25	19.90	240.79	-1.20351	-0.00151	-0.024718	-1.38616	-1.209965
750629	446	35	19.37	240.30	-1.11962	-0.00043		-1.34697	
750629	446	45	18.84	239.81	-1.03191	-0.00163		-1.24227	
750629	446	55	18.31	239.32	-0.94024	-0.00305		-1.08691	
750629	447	5	17.78	238.83	-0.84448	-0.00404		-0.89808	
750629	447	15	17.25	238.34	-0.74497	-0.00499		-0.70131	
750629	447	25	16.72	237.85	-0.64231	-0.00578	-0.088228	-0.52003	-0.872233
750629	447	35	16.19	237.36	-0.53613	-0.00632		-0.37052	
750629	447	45	15.66	236.87	-0.42656	-0.00657		-0.25877	
750629	447	55	15.12	236.38	-0.31392	-0.00665		-0.18786	
750629	448	5	14.59	235.89	-0.20019	-0.00721		-0.13790	
750629	448	15	14.06	235.40	-0.08335	-0.00741		-0.15819	
750629	448	25	13.53	234.91	-0.06225	-0.00752	-0.124124	-0.17494	-0.268787
750629	448	35	12.99	234.42	-0.03637	-0.00784		-0.19038	
750629	448	45	12.46	233.93	-0.00558	-0.00771		-0.22640	
750629	448	55	11.92	233.44	-0.00040	-0.00740		-0.25451	
750629	449	5	11.38	232.95	-0.00439	-0.00639		-0.28436	
750629	449	15	10.85	232.46	-0.00279	-0.00555		-0.31068	
750629	449	25	10.31	231.97	-0.00056	-0.00473	-0.117876	-0.32165	0.0467437
750629	449	35	9.77	231.48	-0.00100	-0.00357		-0.30502	
750629	449	45	9.24	230.99	-0.00095	-0.00286		-0.25231	
750629	449	55	8.70	230.50	-0.00123	-0.00238		-0.16315	
750629	450	5	8.17	230.01	-0.00166	-0.00197		-0.04735	
750629	450	15	7.63	229.52	-0.00064	-0.00105		-0.07610	
750629	450	25	7.09	229.03	-0.00093	-0.00096	-0.076937	-0.18846	0.0755457
750629	450	35	6.56	228.54	-0.00139	-0.00078		-0.27465	
750629	450	45	6.02	228.05	-0.00141	-0.00047		-0.32281	
750629	450	55	5.49	227.56	-0.00030	-0.00017		-0.33399	
750629	451	5	4.94	227.07	-0.00144	-0.00040		-0.31351	
750629	451	15	4.41	226.58	-0.00063	-0.00048		-0.29506	
750629	451	25	3.87	226.09	-0.00061	-0.00122	-0.034251	-0.29637	0.0686539
750629	451	35	3.33	225.60	-0.00008	-0.00072		-0.32852	
750629	451	45	2.79	225.11	-0.00041	-0.00024		-0.35324	
750629	451	55	2.25	224.62	-0.00045	-0.00066		-0.48378	
750629	452	5	1.72	224.13	-0.00066	-0.00163		-0.58864	
750629	452	15	1.18	223.64	-0.00037	-0.00045		-0.69610	
750629	452	25	0.64	223.15	-0.00033	-0.00044	0.005607	-0.79736	0.617027
750629	452	35	0.11	222.66	-0.00014	-0.00037		-0.88916	
750629	452	45	-0.43	222.17	-0.00027	-0.00034		-0.97287	
750629	452	55	-0.97	221.68	-0.00053	-0.00161		-1.04515	
750629	453	5	-1.51	221.19	-0.00115	-0.00047		-1.29031	
750629	453	15	-2.04	220.70	-0.00246	-0.00064		-1.69231	



REVOLUTION 696

GEOS-3									
OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750529	453	25.	-2.58	232.51	-0.26785	0.51790	0.036881	1.05324	0.399956
750529	453	25.	-3.12	232.42	-0.02433	0.02874		0.03189	
750529	453	25.	-3.65	232.33	0.11156	0.03870		0.03190	
750529	454	00.	-4.73	231.93	0.00132	0.05539		0.03026	
750529	454	00.	-5.27	231.75	0.12756	0.06184		0.03125	
750529	454	00.	-5.81	231.76	-0.05654	0.06705	0.052275	0.03491	0.115528
750529	454	00.	-6.34	231.46	0.19274	0.07119		0.03744	
750529	454	00.	-6.88	231.17	0.04816	0.07424		0.03766	
750529	454	00.	-7.42	230.88	0.10759	0.07675		0.03850	
750529	455	00.	-7.95	230.58	0.03908	0.07834		0.03938	
750529	455	00.	-8.49	230.28	0.02492	0.08061		0.04078	
750529	455	00.	-9.02	230.00	0.04303	0.08211	0.055719	0.04472	0.078318
750529	455	00.	-9.56	229.69	0.08471	0.08332		0.04787	
750529	455	00.	-10.10	229.39	0.11623	0.08420		0.04876	
750529	455	00.	-10.63	229.09	0.14765	0.08606		0.05077	
750529	456	00.	-11.17	228.79	0.08136	0.08464		0.05342	
750529	456	00.	-11.70	228.49	0.11373	0.08411		0.05308	
750529	456	00.	-12.24	228.19	0.16176	0.08315	0.062530	0.05391	0.084046
750529	456	00.	-12.77	227.89	-0.09356	0.08196		0.05439	
750529	456	00.	-13.30	227.59	0.08788	0.08326		0.05481	
750529	456	00.	-13.84	227.28	0.14718	0.07852		0.05789	
750529	457	00.	-14.37	226.98	0.09540	0.07676		0.05802	
750529	457	00.	-14.90	226.67	-0.01759	0.07492	0.055071	0.06092	-0.446127
750529	457	00.	-15.44	226.36	0.04850	0.07256		0.07357	
750529	457	00.	-15.97	226.05	0.16727	0.07052		0.07290	
750529	457	00.	-16.50	225.74	0.04438	0.06784		0.07491	
750529	457	00.	-17.03	225.43	0.08001	0.06463		0.07433	
750529	458	00.	-17.56	225.11	0.00012	0.06277		0.07234	
750529	458	00.	-18.09	224.80	0.07435	0.05610		0.07462	
750529	458	00.	-18.62	224.48	0.06290	0.05558	0.071142	0.05312	-0.869137
750529	458	00.	-19.15	224.16	0.05677	0.04420		0.06280	
750529	458	00.	-19.69	223.84	-0.00093	0.03696		0.07225	
750529	458	00.	-20.21	223.51	0.03863	0.02893		0.07827	
750529	459	00.	-20.74	223.19	0.06092	0.02036		0.08372	
750529	459	00.	-21.27	222.86	0.11292	0.01149		0.08982	
750529	459	00.	-21.80	222.53	-0.03486	0.00259	-0.033500	0.08536	-0.520371
750529	459	00.	-22.32	222.20	0.04037	0.00608		0.07976	
750529	459	00.	-22.85	221.87	-0.02137	0.01415		0.07233	
750529	459	00.	-23.38	221.54	-0.12192	0.02141		0.06913	
750529	500	00.	-23.91	221.20	0.02034	0.02768		0.05297	
750529	500	00.	-24.42	219.86	0.06239	0.03275		0.04127	
750529	500	00.	-24.95	219.52	0.00047	0.03645	-0.047477	0.03899	0.021672
750529	500	00.	-25.47	219.17	-0.10075	0.03882		0.05644	
750529	500	00.	-25.99	218.82	-0.22345	0.04007		0.05666	
750529	500	00.	-26.52	218.47	-0.05746	0.04050		0.07147	
750529	501	00.	-27.04	218.12	-0.03122	0.04037		0.11374	
750529	501	00.	-27.56	217.76	0.08018	0.04006		0.09546	
750529	501	00.	-28.08	217.41	0.00095	0.03957	-0.030929	0.03240	0.577732
750529	501	00.	-28.60	217.04	-0.00057	0.04013		0.04938	
750529	501	00.	-29.11	216.68	-0.05059	0.04046		0.12683	
750529	501	00.	-29.63	216.31	-0.09032	0.04209		0.16570	
750529	502	00.	-30.15	215.94	-0.06030	0.04428		0.22071	
750529	502	00.	-30.66	215.56	-0.03937	0.04648		0.23102	
750529	502	00.	-31.18	215.19	-0.06924	0.04857		0.21701	
750529	502	00.	-31.69	214.82	-0.13695	0.05159		0.18233	
750529	502	00.	-32.20	214.42	-0.00175	0.05225		0.13538	

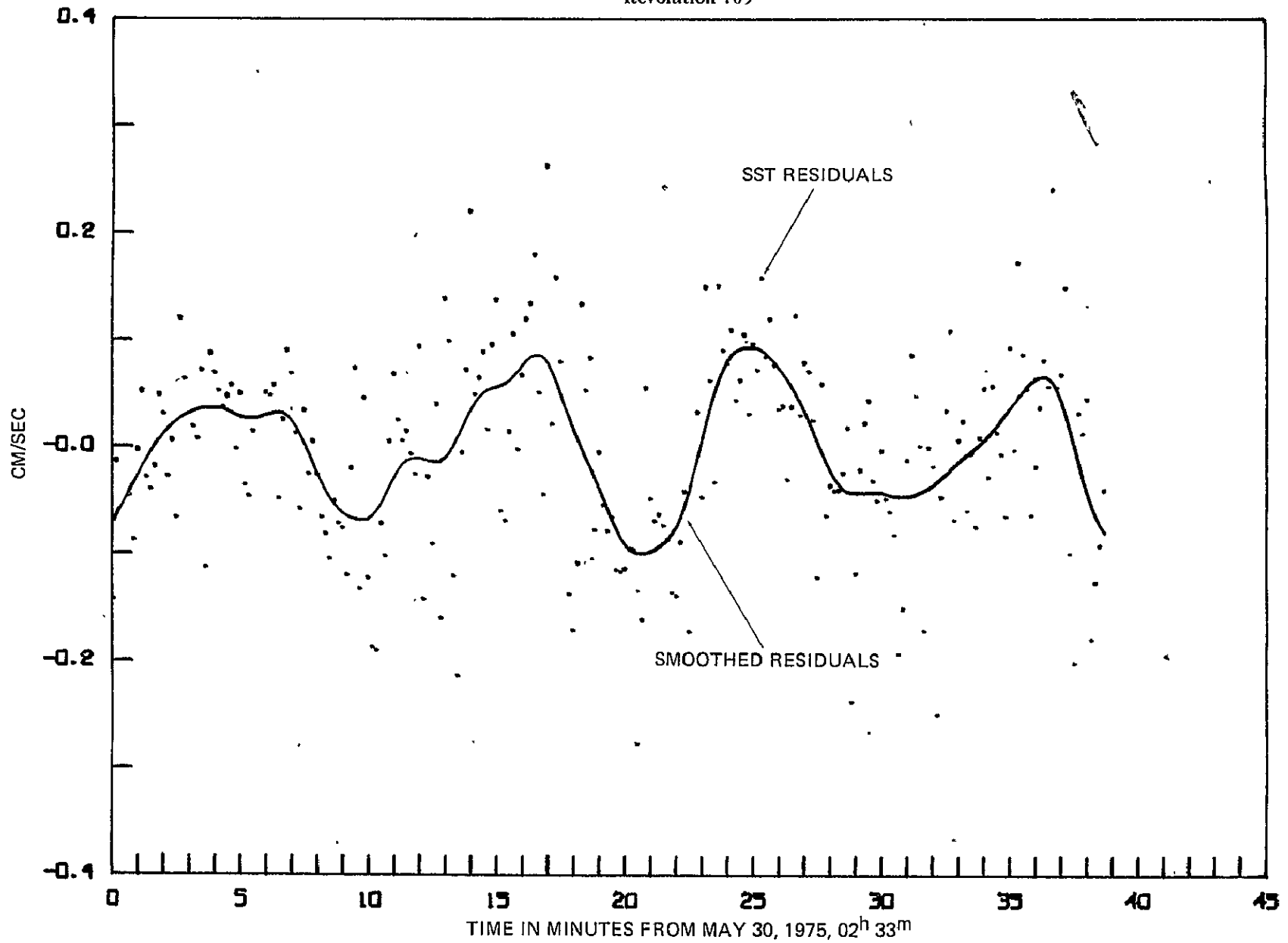
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GEOS-3 Revolution No. 709

May 30, 1975, 02<sup>h</sup> 33<sup>m</sup>

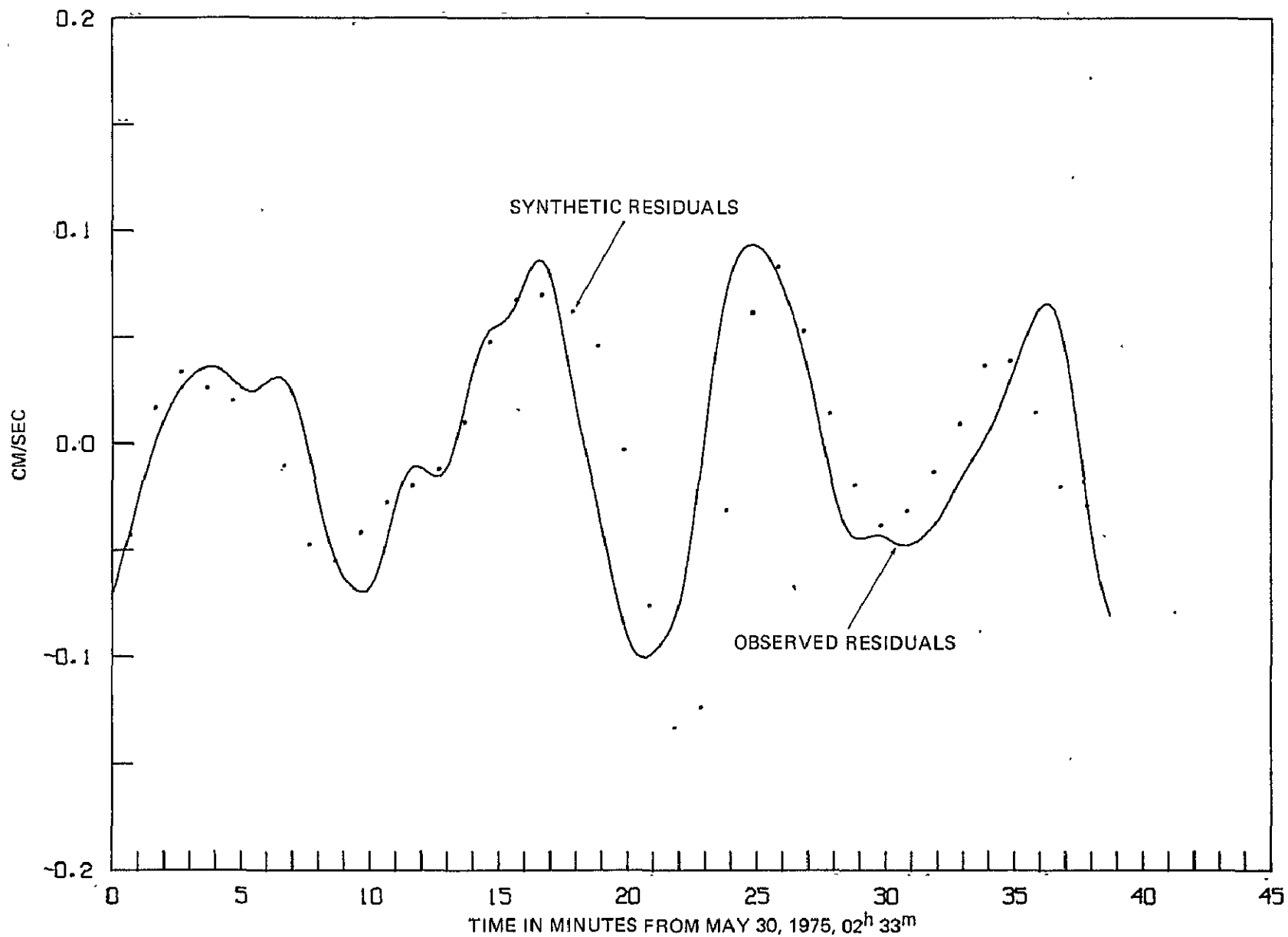
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 709

A-122

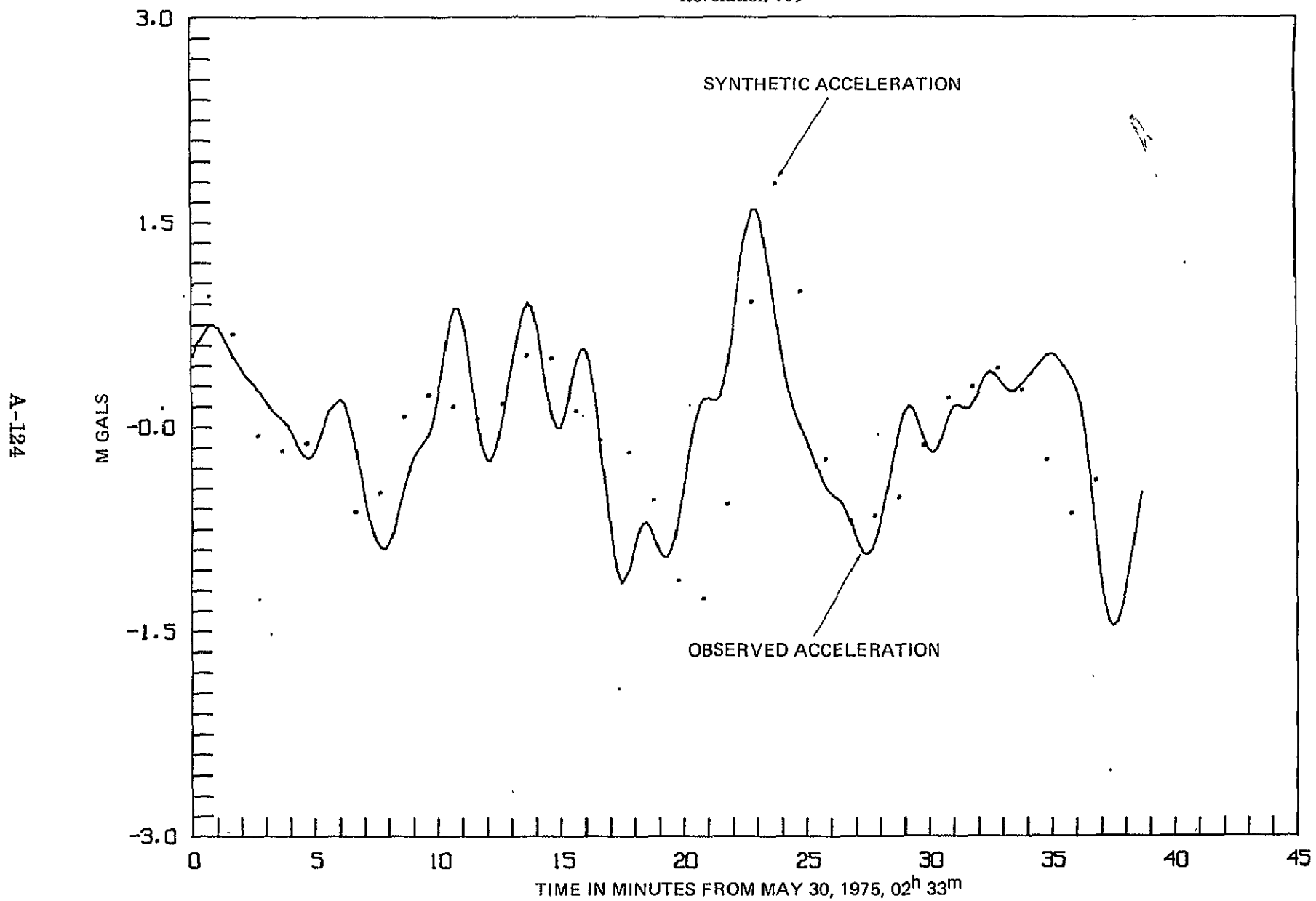


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 709

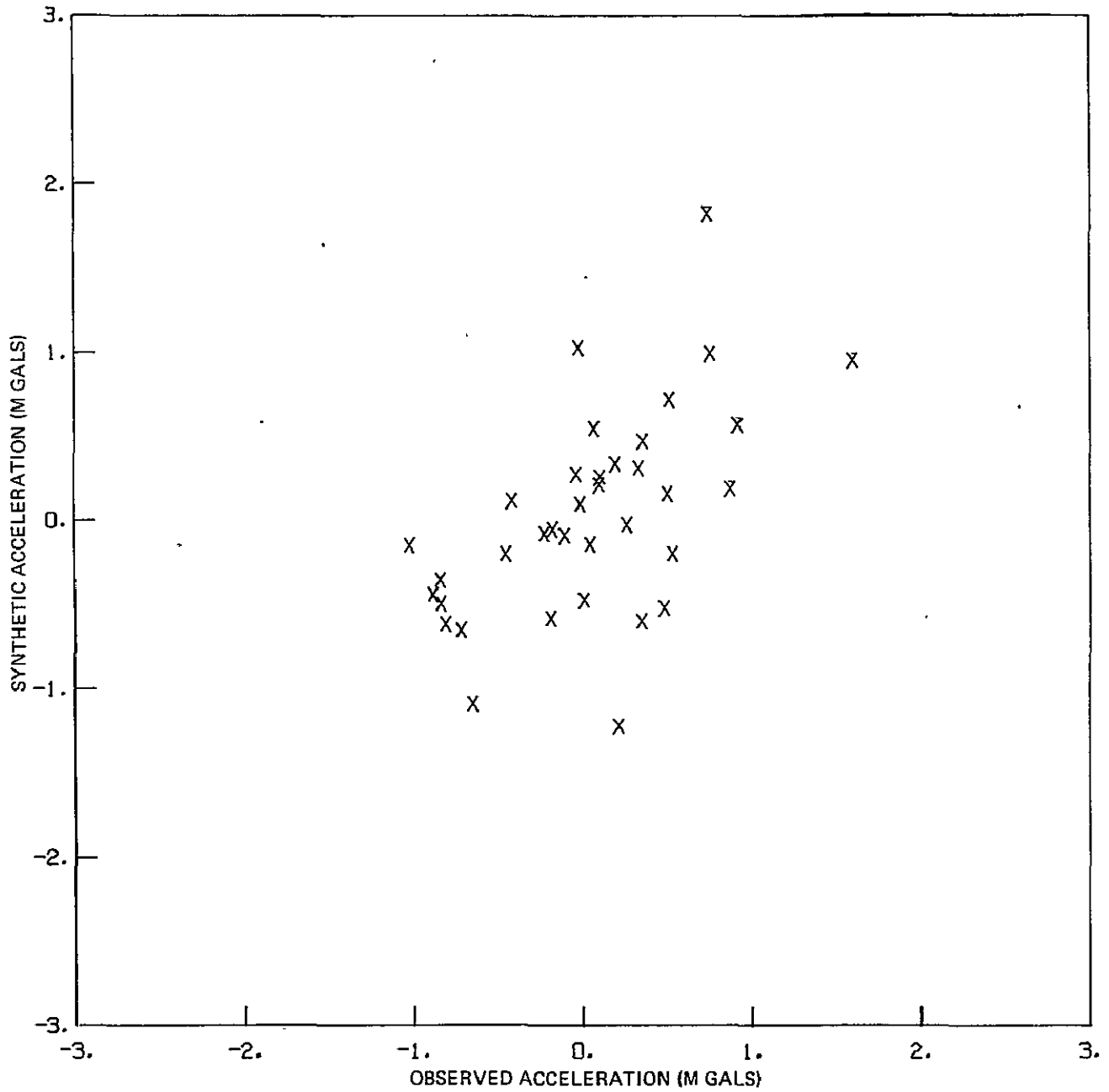
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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 709



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 709



REVOLUTION 709

OBSERVATION TIME			GEOS-3		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	SUBSATELLITE POINT LAT	E. LONG					
750530	237	54	62.33	332.51	-0.13858	-0.06871		0.52849	
750530	238	14	62.14	331.33	-0.02040	-0.06255		0.61379	
750530	239	24	61.53	327.91	-0.04190	-0.04678	-0.040207	0.75067	0.992700
750530	239	34	61.54	326.83	-0.03543	-0.03581		0.74326	
750530	239	44	60.75	325.72	-0.00148	-0.02096		0.72756	
750530	239	54	60.45	324.65	-0.05671	-0.01740		0.67330	
750530	239	64	60.13	323.61	-0.02529	-0.01027		0.61633	
750530	239	74	59.82	322.52	-0.03513	-0.00371		0.55858	
750530	239	84	59.45	321.5	-0.01372	0.00222	0.019355	0.50316	0.714017
750530	239	94	59.16	320.53	-0.00336	0.00757		0.45077	
750530	239	104	58.86	319.61	-0.03400	0.01242		0.40348	
750530	239	114	58.47	318.69	-0.02414	0.01679		0.36593	
750530	239	124	58.12	317.72	-0.01025	0.02063		0.33214	
750530	239	134	57.76	316.80	-0.00240	0.02409		0.29662	
750530	239	144	57.43	315.90	0.12513	0.02690	0.336212	0.25306	-0.027824
750530	239	154	57.03	315.02	0.06704	0.02550		0.20341	
750530	239	164	56.27	313.30	0.02143	0.03332		0.11774	
750530	239	174	55.99	312.47	0.01198	0.03450		0.08137	
750530	239	184	55.47	311.65	0.07647	0.03547		0.06413	
750530	239	194	55.11	310.84	-0.10840	0.03596	0.028515	0.03037	-0.143775
750530	239	204	54.85	310.06	-0.09241	0.03575		0.00139	
750530	239	214	54.29	309.28	0.07276	0.03547		0.05141	
750530	239	224	53.86	308.52	0.05502	0.03451		0.01124	
750530	239	234	53.46	307.78	0.04061	0.03306		0.01736	
750530	239	244	53.35	307.05	0.08159	0.03121		0.02167	
750530	239	254	52.62	306.33	0.06255	0.02717	0.022520	0.023403	-0.087922
750530	239	264	52.20	305.62	0.00160	0.02721		0.02166	
750530	239	274	51.77	304.93	0.05437	0.02560		0.01629	
750530	239	284	51.11	304.25	-0.03171	0.02465		0.07813	
750530	239	294	50.60	303.53	-0.04231	0.02446		0.02222	
750530	239	304	50.40	302.82	0.01912	0.02302		0.11601	
750530	239	314	49.12	301.02	0.05501	0.02227		0.20377	
750530	240	04	48.67	300.40	0.03107	0.03063		0.15151	
750530	240	14	48.21	299.80	0.06292	0.03136		0.06331	
750530	240	24	47.75	299.20	-0.04413	0.03106	-0.007159	0.05371	-0.585252
750530	240	34	47.15	298.62	0.03301	0.02939		0.19453	
750530	240	44	46.73	298.05	0.05520	0.02621		0.35230	
750530	240	54	46.76	297.49	0.07255	0.02151		0.51237	
750530	241	04	45.51	295.52	0.01650	0.01538		0.65675	
750530	241	14	45.42	295.37	-0.05407	0.01755		0.77213	
750530	241	24	44.05	295.83	0.03262	-0.00052	0.045035	0.85263	-0.442210
750530	241	34	44.47	295.30	-0.02167	-0.00062		0.89493	
750530	241	44	44.30	294.78	0.00775	-0.01593		0.96614	
750530	241	54	43.52	294.26	-0.02176	-0.02933		0.85544	
750530	242	04	43.04	293.75	-0.06154	-0.03655		0.77373	
750530	242	14	42.50	293.25	-0.07730	-0.04420		0.66642	
750530	242	24	42.07	292.76	-0.10754	-0.05001		0.54264	
750530	242	34	41.58	292.27	-0.04563	-0.05629	-0.052645	0.42131	0.114777
750530	242	44	41.10	291.70	-0.00742	-0.06266		0.31558	
750530	242	54	40.61	291.31	-0.07178	-0.06405		0.23250	
750530	243	04	40.11	290.85	-0.11500	-0.06663		0.17368	
750530	243	14	39.62	290.33	-0.06510	-0.06854		0.13423	
750530	243	24	39.17	289.83	-0.07437	-0.06971		0.09848	
750530	243	34	38.63	289.40	-0.12948	-0.06994	-0.039301	0.04385	0.270711
750530	243	44	38.13	289.03	-0.00056	-0.06917		0.05354	
750530	243	54	37.63	288.59	-0.11240	-0.06693		0.21128	
750530	244	04	37.13	288.16	-0.10219	-0.06310		0.40485	
750530	244	14	36.63	287.73	-0.15612	-0.05768		0.50740	
750530	244	24	36.13	287.30	-0.06639	-0.05085		0.77453	
750530	244	34	35.62	286.88	-0.00721	-0.04302	-0.025012	0.86802	0.182856
750530	244	44	35.11	286.47	0.00025	-0.03486		0.86625	
750530	244	54	34.61	286.06	0.07301	-0.02707		0.76925	
750530	245	04	34.13	285.65	0.02564	-0.02034		0.59878	
750530	245	14	33.57	285.25	0.00742	-0.01521		0.38779	
750530	245	24	33.07	284.85	-0.01025	-0.01197	-0.017351	0.17103	0.094047
750530	245	34	32.57	284.46	-0.00284	-0.01059		0.02148	
750530	245	44	32.06	284.07	-0.02147	-0.01078		0.16523	
750530	245	54	31.54	283.67	0.00501	-0.01201		0.24361	
750530	246	04	31.03	283.31	-0.11808	-0.01363		0.24716	
750530	246	14	30.51	282.93	-0.02325	-0.01508		0.18025	
750530	246	24	30.00	282.55	-0.02647	-0.01573		0.05555	
750530	246	34	29.49	282.18	0.04472	-0.01525	-0.009059	0.09375	0.207986
750530	246	44	28.96	281.81	-0.15570	-0.01319		0.26247	
750530	246	54	28.44	281.45	0.14398	-0.00943		0.43054	
750530	247	04	27.92	281.08	-0.10271	-0.00300		0.59103	
750530	247	14	27.40	280.73	-0.11664	0.00321		0.73577	
750530	247	24	26.87	280.38	-0.00000	0.01137		0.85700	
750530	247	34	26.36	280.02	-0.00346	0.01496	0.012409	0.90716	0.562523
750530	247	44	25.84	279.67	0.07729	0.02247		0.71211	
750530	247	54	25.31	279.33	0.02554	0.03634		0.74678	
750530	248	04	24.78	278.98	0.05201	0.04308		0.56612	
750530	248	14	24.26	278.64	0.00053	0.04929		0.36274	
750530	248	24	23.74	278.30	0.00393	0.05185		0.18950	
750530	248	34	23.21	277.96	0.01000	0.05406	0.050352	0.05679	0.541007
750530	248	44	22.69	277.63	0.10780	0.05575		0.01052	
750530	248	54	22.16	277.29	0.14263	0.05640		0.00261	
750530	249	04	21.63	276.96	-0.05557	0.05782		0.07797	
750530	249	14	21.10	276.64	-0.00474	0.05005		0.21668	
750530	249	24	20.57	276.31	0.01010	0.05315		0.36864	
750530	249	34	20.04	275.98	0.11466	0.06732	0.070103	0.49548	0.153917
750530	249	44	19.51	275.66	0.00022	0.07223		0.56604	
750530	249	54	18.99	275.34	0.07221	0.07726		0.56150	
750530	250	04	18.45	275.02	0.12475	0.08174		0.47036	
750530	250	14	17.92	274.70	0.13730	0.08500		0.30136	
750530	250	24	17.39	274.39	0.18068	0.08643		0.07350	
750530	250	34	16.86	274.07	0.00540	0.08557	0.072393	0.12535	-0.056463
750530	250	44	16.37	273.76	-0.04417	0.08208		0.45115	
750530	250	54	15.79	273.45	0.06722	0.07508		0.70595	
750530	251	04	15.26	273.14	0.00200	0.06765		0.92523	
750530	251	14	14.73	272.83	0.16726	0.05750		1.08124	
750530	251	24	14.10	272.53	0.06746	0.04655		1.15311	

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OBSERVATION TIME			GEO-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750530	251	44.	13.13	271.62	-0.13402	0.02409	0.064260	-1.03362	-0.149612
750530	251	45.	12.59	271.61	-0.16625	0.01348		-0.89457	
750530	252	46.	12.06	271.31	-0.10307	0.00357		-0.76946	
750530	252	47.	11.52	271.01	0.13594	-0.00565		-0.70470	
750530	252	48.	10.62	270.71	0.05565	-0.01430		-0.70838	
750530	252	49.	10.45	270.41	0.06725	-0.02308		-1.76521	
750530	252	50.	9.01	270.11	-0.07336	-0.03297	0.046135	-0.94429	-0.497242
750530	252	51.	4.38	269.81	0.0	-0.04154		-0.91441	
750530	253	0.	3.84	269.51	-0.05238	-0.05136		-0.95501	
750530	253	1.	2.30	269.22	-0.07419	-0.06124		-0.95508	
750530	253	2.	1.77	268.92	-0.06044	-0.07070		-0.90138	
750530	253	3.	7.23	268.63	-0.11046	-0.07553		-0.80740	
750530	253	4.	6.69	268.33	-0.11101	-0.09706	-0.000515	-0.65471	-1.091393
750530	253	5.	6.16	268.04	-0.10230	-0.09304		-0.47633	
750530	254	0.	5.62	267.74	-0.05555	-0.09727		-0.29265	
750530	254	1.	5.09	267.45	-0.05133	-0.09572		-0.11304	
750530	254	2.	4.54	267.16	-0.02712	-0.10058		-0.04654	
750530	254	3.	4.01	266.87	-0.15575	-0.10022		0.15761	
750530	254	4.	3.47	266.57	0.06611	-0.09900	-0.073779	0.20478	-1.224209
750530	254	5.	2.93	266.28	-0.04470	-0.07727		0.21175	
750530	255	0.	2.39	265.99	-0.06502	-0.07505		0.19509	
750530	255	1.	1.85	265.70	-0.05731	-0.07251		0.16251	
750530	255	2.	1.32	265.41	-0.06701	-0.06945		0.22813	
750530	255	3.	0.78	265.12	-0.06202	-0.06553	-0.136956	0.32133	-0.524422
750530	255	4.	0.24	264.83	-0.11133	-0.06327		0.47641	
750530	255	5.	-0.30	264.54	-0.13423	-0.07324		0.63359	
750530	256	0.	-0.84	264.25	-0.06553	-0.06403		0.92073	
750530	256	1.	-1.37	263.96	-0.03241	-0.05262		1.15912	
750530	256	2.	-1.91	263.67	-0.10785	-0.03017	-0.121234	1.36440	0.953075
750530	256	3.	-2.43	263.38	-0.03737	-0.00768		1.59746	
750530	256	4.	-2.93	263.09	-0.04200	0.00742		1.59840	
750530	257	0.	-3.46	262.80	0.15470	0.02455		1.40047	
750530	257	1.	-4.00	262.51	0.06574	0.03060		1.34775	
750530	257	2.	-4.54	262.21	-0.02257	0.05304		1.15642	
750530	257	3.	-5.08	261.92	0.15592	0.06446		0.94394	
750530	257	4.	-5.61	261.63	0.09408	0.07330	-0.026066	0.72872	1.819613
750530	257	5.	-6.15	261.33	0.08203	0.08108		0.52541	
750530	258	0.	-6.72	261.04	0.11436	0.08646		0.35714	
750530	258	1.	-7.27	260.74	0.04747	0.09017		0.22044	
750530	258	2.	-7.80	260.45	0.06773	0.09244		0.11631	
750530	258	3.	-8.33	260.15	0.11624	0.09354	0.064010	0.03466	1.023321
750530	258	4.	-8.87	259.86	0.03473	0.09365		-0.03367	
750530	258	5.	-9.40	259.56	0.10115	0.09226		-0.17373	
750530	259	0.	-9.93	259.26	0.10115	0.08878		-0.25451	
750530	259	1.	-10.50	258.96	0.07551	0.08123		-0.33615	
750530	259	2.	-11.04	258.66	0.16330	0.08812		-0.40948	
750530	259	3.	-11.58	258.36	0.05812	0.08165		-0.46351	
750530	259	4.	-12.11	258.06	0.12002	0.07027	0.055500	-0.46351	-0.202125
750530	259	5.	-12.65	257.75	0.07027	0.07205		-0.44902	
750530	260	0.	-13.18	257.45	0.03310	0.06650		-0.52126	
750530	260	1.	-13.71	257.15	0.04278	0.06040		-0.54401	
750530	260	2.	-14.25	256.84	-0.02639	0.04761		-0.58250	
750530	260	3.	-14.78	256.53	0.04761	0.05333		-0.64571	
750530	260	4.	-15.31	256.22	0.12012	0.04677		-0.72573	
750530	260	5.	-15.85	255.91	0.03380	0.03899	0.055201	-0.81713	-0.654955
750530	261	0.	-16.38	255.60	0.04450	0.03047		-0.90271	
750530	261	1.	-16.91	255.29	0.07412	0.02134		-0.93600	
750530	261	2.	-17.44	254.98	0.02057	0.01177		-0.93831	
750530	261	3.	-17.97	254.66	-0.11735	0.00203		-0.90807	
750530	261	4.	-18.50	254.34	0.06573	-0.00759		-0.82178	
750530	261	5.	-19.03	254.02	-0.05076	-0.01660	0.016649	-0.71377	-0.617974
750530	262	0.	-19.57	253.70	-0.03072	-0.02471		-0.58300	
750530	262	1.	-20.10	253.38	-0.03073	-0.03162		-0.43763	
750530	262	2.	-20.63	253.06	-0.03073	-0.03712		-0.28558	
750530	262	3.	-21.16	252.73	-0.01022	-0.04108		-0.13467	
750530	262	4.	-21.69	252.40	-0.02278	-0.04340		-0.00353	
750530	262	5.	-22.21	252.07	-0.22373	-0.04453	-0.016303	0.10754	-0.477988
750530	263	0.	-22.73	251.74	-0.11262	-0.04461		0.15362	
750530	263	1.	-23.26	251.40	-0.01022	-0.04411		0.13517	
750530	263	2.	-23.79	251.07	0.02757	-0.04133		0.06622	
750530	263	3.	-24.31	250.73	0.04420	-0.04252		-0.02602	
750530	263	4.	-24.84	250.38	-0.02773	-0.04272		-0.11302	
750530	263	5.	-25.36	250.04	-0.04000	-0.04323	-0.035949	-0.17245	-0.093679
750530	264	0.	-25.88	249.69	0.03310	-0.04428		-0.18909	
750530	264	1.	-26.40	249.34	-0.04420	-0.04550		-0.15671	
750530	264	2.	-26.93	248.99	-0.05012	-0.04681		-0.08305	
750530	264	3.	-27.45	248.64	-0.07740	-0.04766		0.01244	
750530	264	4.	-27.97	248.28	-0.10906	-0.04794		0.09901	
750530	264	5.	-28.50	247.92	-0.14533	-0.04767	-0.028404	0.15116	0.253195
750530	265	0.	-29.00	247.55	-0.00074	-0.04602		0.16010	
750530	265	1.	-29.52	247.18	0.00116	-0.04573		0.14417	
750530	265	2.	-30.04	246.81	0.05166	-0.04120		0.13295	
750530	265	3.	-30.56	246.44	0.00510	-0.04242		0.14584	
750530	265	4.	-31.07	246.06	-0.16721	-0.04043		0.15977	
750530	265	5.	-31.58	245.68	-0.00428	-0.03818	-0.010636	0.25570	0.320967
750530	266	0.	-32.10	245.29	-0.01373	-0.03549		0.32325	
750530	266	1.	-32.61	244.90	-0.24577	-0.03229		0.38617	
750530	266	2.	-33.12	244.51	-0.04153	-0.02877		0.40550	
750530	266	3.	-33.63	244.11	0.00012	-0.02408		0.39742	
750530	266	4.	-34.14	243.71	0.11177	-0.02104	0.011792	0.34769	0.464252
750530	266	5.	-34.64	243.31	-0.06331	-0.01714		0.30484	
750530	267	0.	-35.15	242.90	0.01133	-0.01347		0.27206	
750530	267	1.	-35.66	242.48	0.02710	-0.01004		0.25993	
750530	267	2.	-36.16	242.06	-0.05493	-0.00678		0.26711	
750530	267	3.	-36.66	241.64	-0.00034	-0.00350		0.26176	
750530	267	4.	-37.16	241.21	-0.07030	-0.00031		0.32437	
750530	267	5.	-37.66	240.79	0.01474	0.00315	0.039027	0.35832	0.306171
750530	268	0.	-38.16	240.34	0.05504	0.00653		0.39283	
750530	268	1.	-38.66	239.89	-0.02407	0.01110		0.42852	
750530	268	2.	-39.16	239.44	0.06230	0.01566		0.46521	
750530	268	3.	-39.65	238.90	0.01756	0.02062		0.50072	
750530	268	4.	-40.14	238.52	-0.00265	0.02391			



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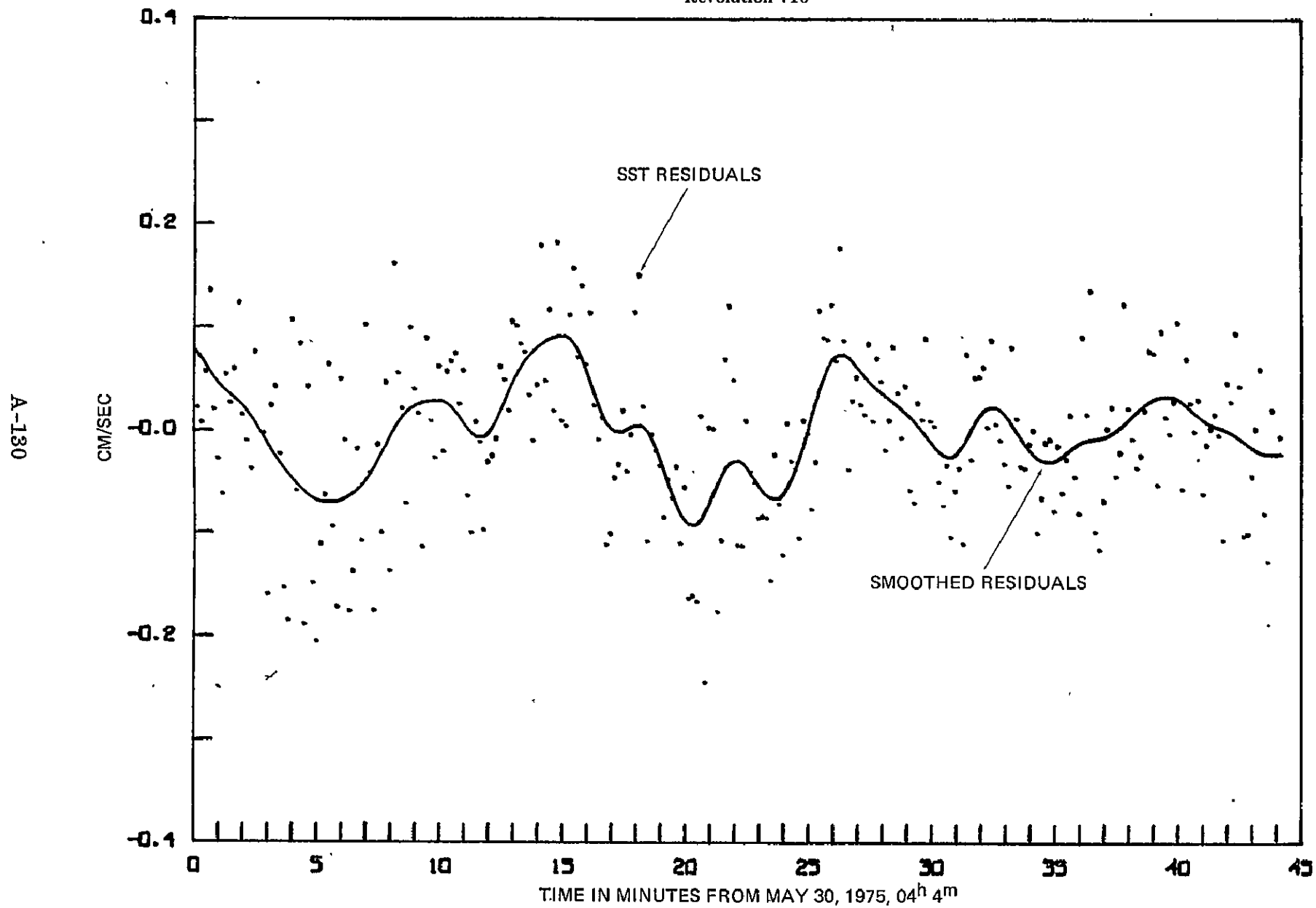
OBSERVATION TIME			GEO-3 SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750530	3 0	46.	-40.63	233.65	-0.06056	0.03130	0.041506	0.52751	-0.202967 *
750530	3 0	56.	-41.12	237.52	0.03730	0.03623		0.53505	
750530	3 0	6.	-41.61	237.10	0.00112	0.04243		0.51842	
750530	3 0	16.	-42.10	236.61	0.17214	0.04712		0.48147	
750530	3 0	26.	-42.58	236.12	0.05043	0.05275		0.43469	
750530	3 0	36.	-43.06	235.61	0.05006	0.05134		0.38448	
750530	3 0	46.	-43.54	235.11	-0.05532	0.06124	0.016593	0.34020	-0.601783
750530	3 0	56.	-44.02	234.59	-0.01719	0.06413		0.27122	
750530	3 10	6.	-44.50	234.07	0.04179	0.06566		0.15598	
750530	3 10	16.	-44.97	233.53	0.06622	0.06543		-0.02270	
750530	3 10	26.	-45.45	233.00	0.00052	0.06300		-0.26512	
750530	3 10	36.	-45.92	232.45	0.04562	0.05874		-0.55720	
750530	3 10	46.	-46.38	231.89	0.06000	0.05042	-0.017222	-0.85142	-0.356299
750530	3 10	56.	-46.85	231.33	0.07205	0.04120		-1.11944	
750530	3 11	6.	-47.31	230.75	0.15433	0.02770		-1.32077	
750530	3 11	16.	-47.77	230.17	-0.00403	0.01091		-1.43615	
750530	3 11	26.	-48.23	229.57	-0.15757	-0.00114		-1.46364	
750530	3 11	36.	-48.69	228.97	0.03072	-0.01636		-1.42206	
750530	3 11	46.	-49.13	228.36	0.01660	-0.03103		-1.33340	
750530	3 11	56.	-49.58	227.73	0.04971	-0.04450		-1.20413	
750530	3 12	6.	-50.03	227.10	-0.17404	-0.05643		-1.04113	
750530	3 12	16.	-50.47	226.45	-0.12073	-0.06661		-0.85357	
750530	3 12	26.	-50.91	225.80	-0.05661	-0.07422		-0.65825	

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GEOS-3 Revolution No. 710

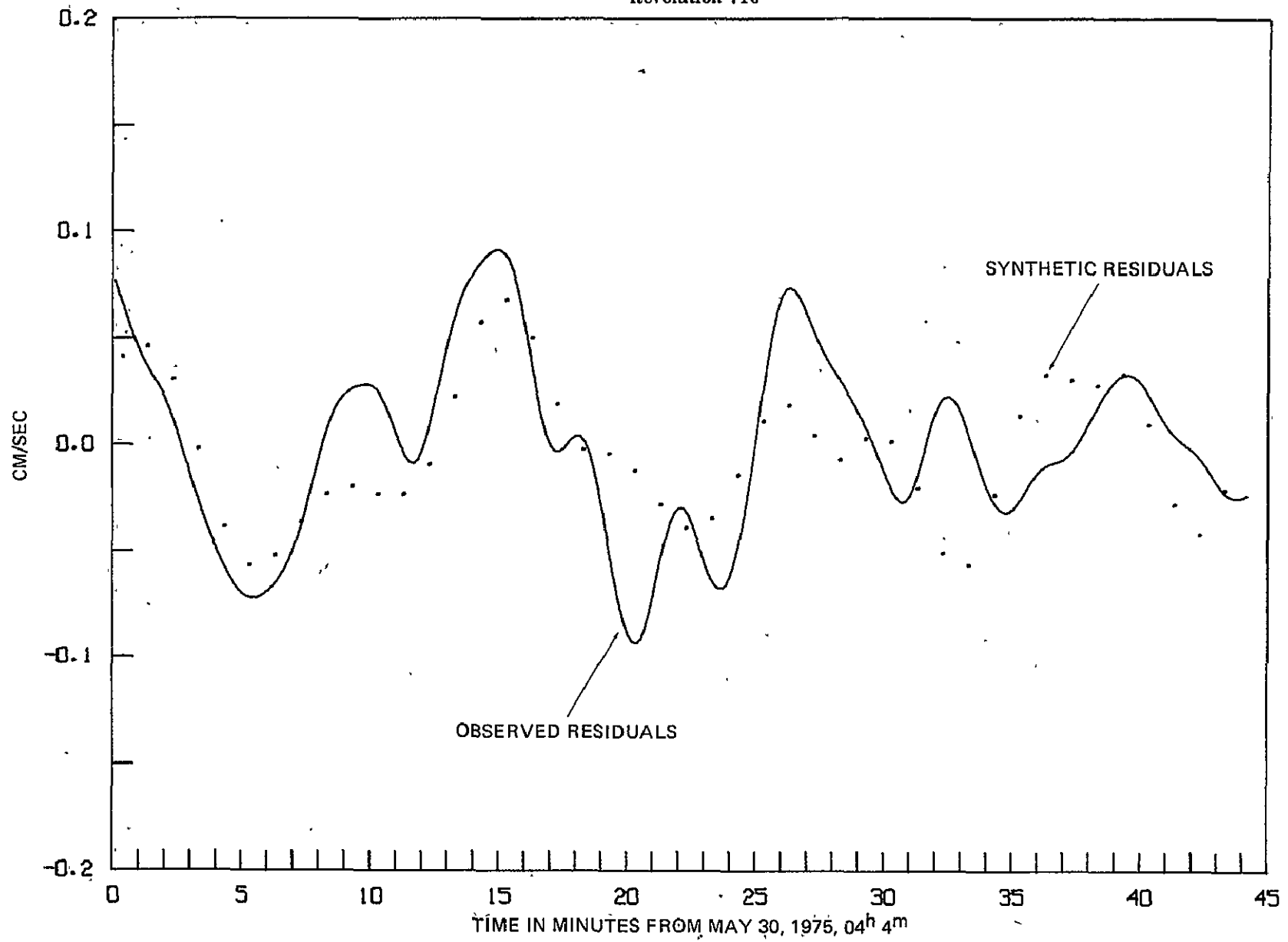
May 30, 1975, 04<sup>h</sup> 04<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 710



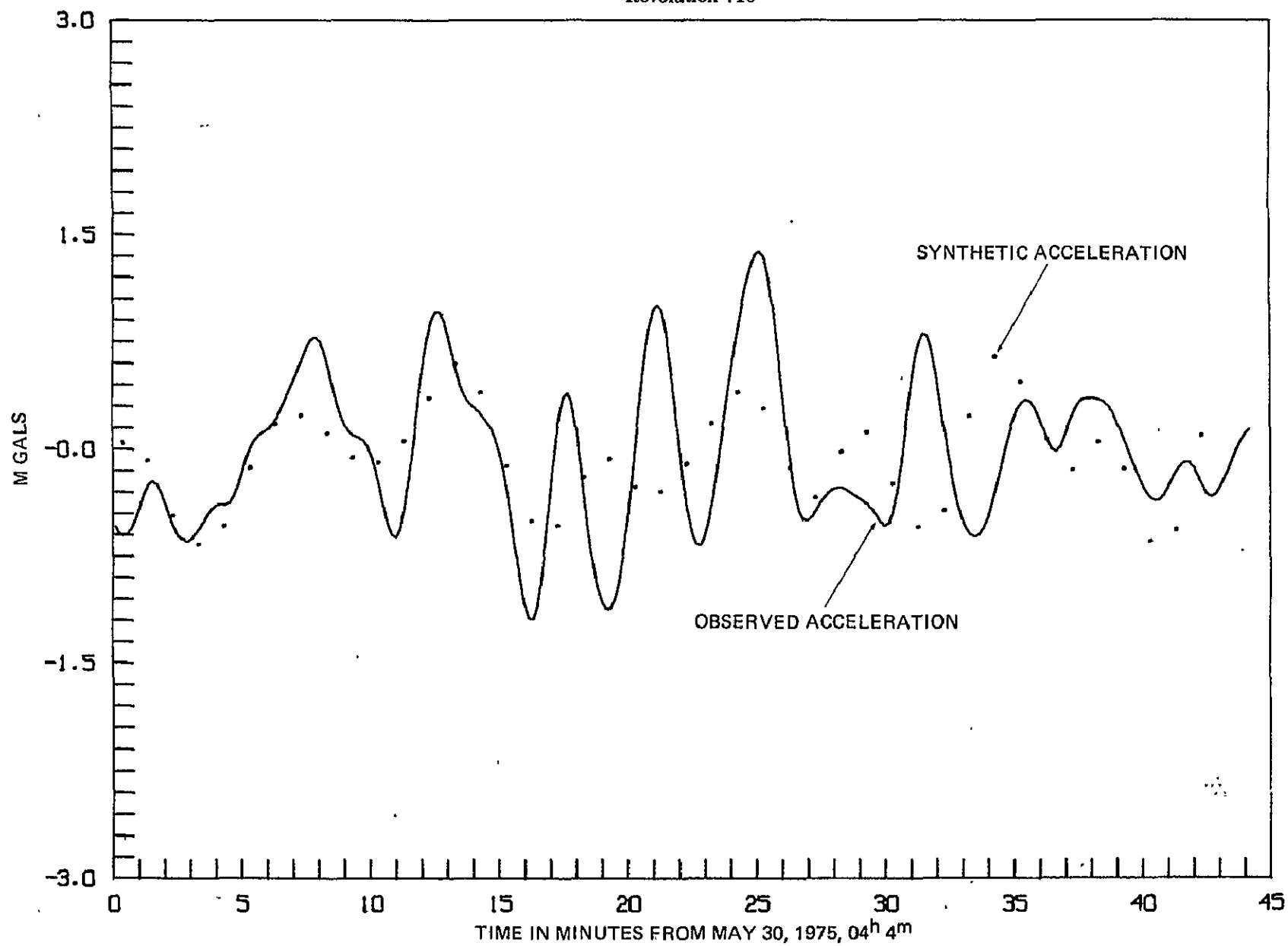
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 710

A-181

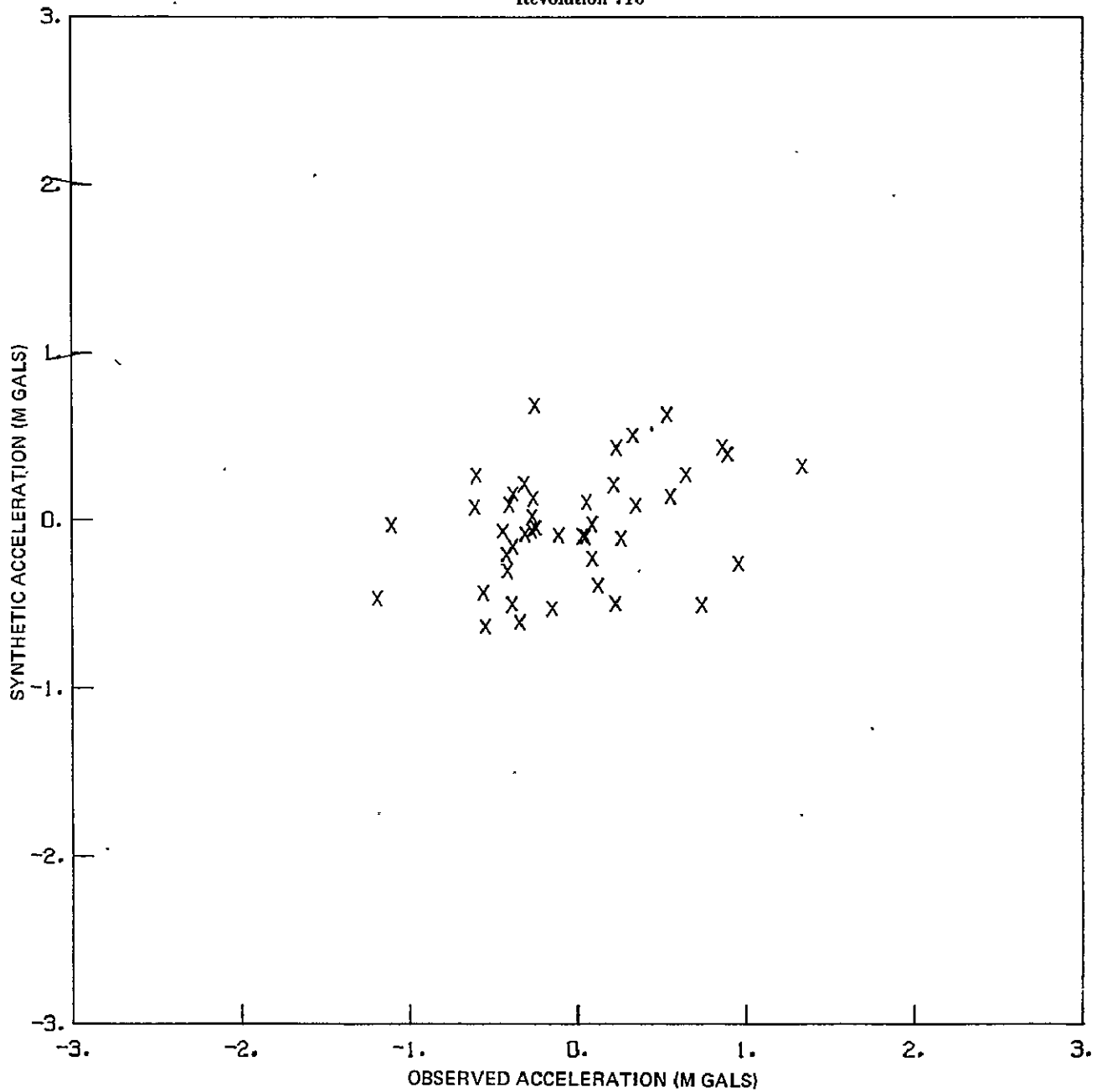


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 710

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GEOS-3/ATS-6 SST Range Rate Residuals  
 Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
 Revolution 710



REVOLUTION 710

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750530	4 4	14.	53.30	29.25	0.17320	0.07745		-0.54701	
750530	4 4	24.	53.72	28.50	0.02863	0.07175		-0.55063	
750530	4 4	34.	54.13	27.75	0.01100	0.06572	0.044403	-0.60955	0.376567
750530	4 4	44.	54.54	26.96	0.06156	0.05962		-0.59314	
750530	4 4	54.	54.94	26.20	0.14710	0.05372		-0.35586	
750530	4 5	4.	55.34	25.40	0.02239	0.04829		-0.46593	
750530	4 5	14.	55.73	24.59	-0.02435	0.04346		-0.33763	
750530	4 5	24.	56.12	23.76	-0.05899	0.03921		-0.33870	
750530	4 5	34.	56.51	22.91	0.05972	0.03547	0.048997	-0.24500	-0.046786
750530	4 5	44.	56.88	22.06	0.03377	0.03210		-0.22484	
750530	4 5	54.	57.26	21.16	0.06443	0.02879		-0.23737	
750530	4 6	4.	57.64	20.28	0.12214	0.02521		-0.31849	
750530	4 6	14.	57.93	19.37	0.01859	0.02110		-0.40353	
750530	4 6	24.	58.34	18.44	-0.09632	0.01684		-0.44928	
750530	4 6	34.	58.69	17.49	-0.03397	0.01061	0.033226	-0.54536	-0.433273
750530	4 6	44.	59.03	16.53	0.08466	0.00432		-0.61965	
750530	4 7	4.	59.69	15.54	0.00042	-0.00920		-0.55517	
750530	4 7	14.	60.01	14.52	-0.15614	-0.01609		-0.63267	
750530	4 7	24.	60.33	13.48	-0.02848	-0.02275	0.000712	-0.59498	-0.634369
750530	4 7	34.	60.64	12.43	0.04714	-0.02903		-0.55128	
750530	4 7	44.	60.93	11.35	-0.01969	-0.03478		-0.50763	
750530	4 7	54.	61.22	10.25	-0.15006	-0.04008		-0.45157	
750530	4 8	4.	61.51	9.14	-0.15119	-0.04507		-0.40963	
750530	4 8	14.	61.73	7.00	-0.11218	-0.04964		-0.36973	
750530	4 8	24.	62.04	5.84	-0.05496	-0.05441	-0.035916	-0.32855	-0.501349
750530	4 8	34.	62.30	4.67	0.06854	-0.05849		-0.38299	
750530	4 8	44.	62.54	3.49	-0.18441	-0.06231		-0.37151	
750530	4 8	54.	62.74	2.27	0.04715	-0.06509		-0.32306	
750530	4 9	4.	63.01	1.04	-0.14523	-0.06841		-0.24353	
750530	4 9	14.	63.23	35.79	-0.20151	-0.07039		-0.14308	
750530	4 9	24.	63.43	35.62	-0.10644	-0.07163	-0.035935	-0.04434	-0.092582
750530	4 9	34.	63.62	357.44	-0.05737	-0.07212		0.03157	
750530	4 9	44.	63.81	35.54	-0.06811	-0.07190		0.07832	
750530	4 9	54.	63.93	35.42	-0.08999	-0.07103		0.10467	
750530	4 10	4.	64.14	35.32	-0.12435	-0.06986		0.12375	
750530	4 10	14.	64.29	351.59	-0.08470	-0.06832		0.14317	
750530	4 10	24.	64.42	350.99	-0.09690	-0.06609	-0.049120	0.13664	0.211476
750530	4 10	34.	64.56	349.22	-0.17184	-0.06359		0.21713	
750530	4 10	44.	64.67	347.82	-0.13289	-0.06100		0.22233	
750530	4 10	54.	64.76	346.46	-0.09136	-0.05784		0.23431	
750530	4 11	4.	64.87	345.03	-0.10358	-0.05420		0.24411	
750530	4 11	14.	64.94	343.62	-0.15730	-0.04912	-0.033412	0.24930	0.271372
750530	4 11	24.	65.01	342.20	-0.03737	-0.04216		0.26575	
750530	4 11	34.	65.06	340.78	-0.17130	-0.03843		0.24447	
750530	4 11	44.	65.10	339.32	-0.09500	-0.03510		0.27182	
750530	4 11	54.	65.13	337.91	-0.09370	-0.03204		0.26835	
750530	4 12	4.	65.14	336.42	-0.05142	-0.02841		0.28012	
750530	4 12	14.	65.14	334.96	-0.13306	-0.02466		0.24545	
750530	4 12	24.	65.13	333.63	-0.15003	-0.02283		0.25463	
750530	4 12	34.	65.10	332.17	-0.05757	-0.01969	-0.020309	0.25073	0.142230
750530	4 12	44.	65.08	330.74	-0.02234	-0.01436		0.22722	
750530	4 12	54.	65.01	329.31	-0.06695	-0.01067		0.21262	
750530	4 13	4.	64.95	327.89	-0.10445	-0.00691		0.21548	
750530	4 13	14.	64.87	326.48	-0.04354	-0.00343		0.14531	
750530	4 13	24.	64.78	325.07	-0.02039	-0.00005	-0.017986	0.10296	-0.023993
750530	4 13	34.	64.68	323.66	-0.10372	0.00277		0.08392	
750530	4 13	44.	64.57	322.29	0.04441	0.00521		0.07258	
750530	4 13	54.	64.44	320.92	0.01295	0.00270		0.05255	
750530	4 14	4.	64.30	319.56	-0.02364	0.00072		0.01387	
750530	4 14	14.	64.15	318.21	-0.03720	0.00005		-0.05326	
750530	4 14	24.	63.99	316.83	-0.01696	0.00360		-0.15112	
750530	4 14	34.	63.82	315.46	-0.02211	0.00386	-0.020387	-0.27432	-0.060160
750530	4 14	44.	63.64	314.08	0.07226	0.00008		-0.40847	
750530	4 14	54.	63.44	312.62	0.07597	0.01329		-0.52929	
750530	4 15	4.	63.24	311.71	0.02963	0.00580		-0.60933	
750530	4 15	14.	63.02	310.40	0.05214	0.00409		-0.62135	
750530	4 15	24.	62.80	309.23	-0.05963	-0.00121		-0.55400	
750530	4 15	34.	62.56	308.02	-0.05537	-0.00049	-0.020495	-0.40797	0.094123
750530	4 15	44.	62.32	306.83	-0.01329	-0.00013		-0.20067	
750530	4 15	54.	62.03	305.69	-0.00719	-0.00061		0.04812	
750530	4 16	4.	61.80	304.50	-0.03903	-0.00667		0.30473	
750530	4 16	14.	61.52	303.36	-0.02580	-0.00237		0.54977	
750530	4 16	24.	61.24	302.14	-0.01993	0.00405		0.75231	
750530	4 16	34.	60.95	301.14	-0.00329	0.01212	-0.006398	0.89181	0.393315
750530	4 16	44.	60.60	299.06	0.06597	0.02128		0.95892	
750530	4 16	54.	60.35	296.00	0.05346	0.00003		0.95301	
750530	4 17	4.	60.04	297.96	0.02319	0.04032		0.88364	
750530	4 17	14.	59.72	295.44	0.11697	0.04904		0.78164	
750530	4 17	24.	59.39	293.84	0.10586	0.05092		0.65446	
750530	4 17	34.	59.05	294.60	0.06331	0.06365	0.025464	0.53971	0.630566
750530	4 17	44.	58.71	293.66	0.08039	0.06942		0.42948	
750530	4 17	54.	58.30	293.04	0.05817	0.07424		0.35956	
750530	4 18	4.	58.01	292.11	-0.00577	0.07830		0.31738	
750530	4 18	14.	57.65	291.20	0.04543	0.08115		0.28946	
750530	4 18	24.	57.28	290.30	0.14442	0.08473		0.26207	
750530	4 18	34.	56.91	289.43	0.05230	0.06737	0.060595	0.22923	0.431246
750530	4 18	44.	56.53	288.56	0.12220	0.04955		0.16676	
750530	4 18	54.	56.15	287.72	0.22281	0.09113		0.13614	
750530	4 19	4.	55.70	286.89	0.18715	0.09194		0.06600	
750530	4 19	14.	55.37	286.07	0.01309	0.05178		-0.02787	
750530	4 19	24.	55.07	285.22	0.08441	0.05023		-0.15198	
750530	4 19	34.	54.74	284.44	0.11718	0.06712	0.070985	-0.31449	-0.082856
750530	4 19	44.	54.41	283.72	0.16213	0.08212		-0.51266	
750530	4 19	54.	54.07	283.07	0.07523	0.07514		-0.72284	
750530	4 20	4.	53.53	282.23	0.14496	0.06634		-0.93517	
750530	4 20	14.	53.21	281.50	0.04826	0.05590		-1.10075	
750530	4 20	24.	52.86	280.78	0.11908	0.04442		-1.19538	
750530	4 20	34.	52.00	280.06	0.32432	0.03263	0.053329	-1.19552	-0.465432
750530	4 20	44.	51.53	279.30	0.00455	0.02185		-1.19558	
750530	4 20	54.	51.20	278.71	0.01742	0.01188		-0.88841	
750530	4 21	4.	50.76	278.05	-0.17731	0.00440		-0.61220	
750530	4 21	14.	50.32	277.33	-0.09554	-0.00032		-0.30225	
750530	4 21	24.	49.87	276.75	-0.04117	-0.00287		-0.03803	

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# REVOLUTION 730

OBSERVATION TIME			GEOS-3		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750530	421	35.	49.43	276.12	-0.023428	-0.002777	C.022105	0.22503	-0.495156
750530	421	45.	48.98	275.80	-0.024022	-0.001012		0.36412	
750530	422	05.	48.52	274.89	-0.015928	-0.00147		0.39231	
750530	422	15.	48.07	274.29	-0.010122	-0.00377		0.30785	
750530	422	25.	47.61	273.70	-0.011968	-0.00455		0.12532	
750530	422	35.	47.15	273.12	-0.015512	-0.00436		-0.12152	
750530	422	45.	46.60	272.54	-0.02714	-0.00100	C.CCC768	-0.38692	-0.158375
750530	422	55.	46.21	271.98	-0.03402	-0.00354		-0.62190	
750530	423	05.	45.75	271.42	-0.00128	-0.00128		-0.83582	
750530	423	15.	45.27	270.83	-0.01370	-0.00331		-0.95963	
750530	423	25.	44.80	270.24	-0.03056	-0.00397		-1.07878	
750530	423	35.	44.33	269.61	-0.08211	-0.04240		-1.12841	
750530	423	45.	43.85	269.29	-0.04227	-0.05358	-C.001304	-1.11214	-0.033607
750530	423	55.	43.37	268.78	-0.03164	-0.03606		-1.04054	
750530	424	05.	42.89	268.27	-0.03024	-0.07509		-0.91376	
750530	424	15.	42.40	267.77	-0.10560	-0.08337		-0.73010	
750530	424	25.	41.92	267.28	-0.03024	-0.08942		-0.49353	
750530	424	35.	41.43	266.79	-0.13903	-0.09223		-0.21376	
750530	424	45.	40.94	266.32	-0.15564	-0.09345	-C.009438	-0.08349	-0.228629
750530	424	55.	40.45	265.84	-0.16225	-0.09109		-0.36422	
750530	425	05.	39.96	265.35	-0.11226	-0.08611		-0.44462	
750530	425	15.	39.46	264.86	-0.23970	-0.07864		-0.81635	
750530	425	25.	38.97	264.40	-0.03016	-0.07002		-0.97117	
750530	425	35.	38.47	264.01	-0.03632	-0.06226		-1.00733	
750530	425	45.	37.97	263.57	-0.17179	-0.05662	-C.025420	-0.95426	-0.260137
750530	425	55.	37.47	263.12	-0.12184	-0.04212		-0.81270	
750530	426	05.	36.97	262.70	-0.07428	-0.03662		-0.58911	
750530	426	15.	36.47	262.27	-0.12355	-0.03112		-0.30370	
750530	426	25.	35.97	261.85	-0.05330	-0.02918		-0.01820	
750530	426	35.	35.46	261.43	-0.10749	-0.02976		-0.24287	
750530	426	45.	34.95	261.02	-0.10222	-0.02609	-C.036165	-0.444872	-0.066364
750530	426	55.	34.45	260.61	-0.01456	-0.03150		-0.57125	
750530	427	05.	33.94	260.20	-0.03444	-0.04345		-0.66656	
750530	427	15.	33.43	259.80	-0.04509	-0.04584		-0.67177	
750530	427	25.	32.92	259.41	-0.08122	-0.03596		-0.60911	
750530	427	35.	32.41	259.03	-0.07869	-0.03128		-0.48706	
750530	427	45.	31.90	258.64	-0.03085	-0.06519	-0.031590	-0.31922	0.218225
750530	427	55.	31.38	258.24	-0.14135	-0.04733		-0.12221	
750530	428	05.	30.86	257.86	-0.01343	-0.06746		-0.28702	
750530	428	15.	30.35	257.45	-0.06722	-0.06541		-0.29591	
750530	428	25.	29.83	257.11	-0.11695	-0.06117		-0.49748	
750530	428	35.	29.32	256.74	-0.31240	-0.06483		-0.63621	
750530	428	45.	28.80	256.38	-0.02555	-0.04646	-C.011295	-0.86097	0.435348
750530	428	55.	28.28	256.01	-0.03355	-0.03624		-1.02279	
750530	429	05.	27.76	255.65	-0.10354	-0.02442		-1.16830	
750530	429	15.	27.24	255.30	-0.01450	-0.01135		-1.26135	
750530	429	25.	26.72	254.94	-0.03142	-0.00261		-1.36306	
750530	429	35.	26.19	254.59	-0.07251	-0.01686		-1.38437	
750530	429	45.	25.67	254.24	-0.02551	-0.03079	C.014076	-1.13454	0.321070
750530	429	55.	25.15	253.89	-0.12167	-0.04363		-1.20278	
750530	430	05.	24.62	253.55	-0.09413	-0.05479		-0.99414	
750530	430	15.	24.10	253.21	-0.09214	-0.06366		-0.72883	
750530	430	25.	23.57	252.87	-0.12706	-0.06993		-0.43473	
750530	430	35.	23.05	252.53	-0.07172	-0.07339		-0.14314	
750530	430	45.	22.52	252.20	-0.18153	-0.07422	C.C21343	-0.11575	-0.089877
750530	430	55.	21.99	251.87	-0.04141	-0.07284		-0.31591	
750530	431	05.	21.47	251.54	-0.03366	-0.06573		-0.44230	
750530	431	15.	20.94	251.21	-0.03431	-0.06543		-0.45855	
750530	431	25.	20.41	250.88	-0.05732	-0.06053		-0.50206	
750530	431	35.	19.88	250.55	-0.02958	-0.05553		-0.47032	
750530	431	45.	19.35	250.24	-0.02008	-0.06073	0.307249	-0.42146	-0.301371
750530	431	55.	18.82	249.92	-0.08940	-0.04629		-0.37061	
750530	432	05.	18.29	249.60	-0.01336	-0.04229		-0.32692	
750530	432	15.	17.76	249.28	-0.07552	-0.03867		-0.29466	
750530	432	25.	17.23	248.97	-0.05222	-0.03535		-0.27478	
750530	432	35.	16.69	248.65	-0.01422	-0.03220		-0.26613	
750530	432	45.	16.16	248.34	-0.01522	-0.02906	-C.004171	-0.26919	C.020853
750530	432	55.	15.63	248.03	-0.06422	-0.02588		-0.29392	
750530	433	05.	15.10	247.72	-0.04064	-0.02255		-0.30531	
750530	433	15.	14.56	247.41	-0.03274	-0.01902		-0.32672	
750530	433	25.	14.03	247.11	-0.04875	-0.01540		-0.34538	
750530	433	35.	13.49	246.80	-0.05361	-0.01147		-0.36282	
750530	433	45.	12.96	246.50	-0.06577	-0.00719	C.006042	-0.38331	0.156247
750530	433	55.	12.43	246.20	-0.03212	-0.00252		-0.42064	
750530	434	05.	11.89	245.89	-0.01495	-0.00251		-0.43878	
750530	434	15.	11.36	245.59	-0.09464	-0.00779		-0.51565	
750530	434	25.	10.82	245.29	-0.01364	-0.01309		-0.53867	
750530	434	35.	10.28	244.99	-0.00661	-0.01809		-0.51426	
750530	434	45.	9.75	244.69	-0.04567	-0.02236	0.004447	-0.42777	-0.206081
750530	434	55.	9.21	244.40	-0.06655	-0.02540		-0.27772	
750530	435	05.	8.68	244.10	-0.02566	-0.02673		-0.07622	
750530	435	15.	8.14	243.80	-0.09547	-0.02637		-0.15516	
750530	435	25.	7.60	243.51	-0.05313	-0.02328		-0.32756	
750530	435	35.	7.07	243.21	-0.03175	-0.01850		-0.59124	
750530	435	45.	6.53	242.92	-0.10625	-0.01214	-C.017289	-0.73779	-0.506323
750530	435	55.	5.99	242.63	-0.07522	-0.00482		-0.80675	
750530	436	05.	5.46	242.33	-0.02407	-0.00279		-0.79033	
750530	436	15.	4.92	242.04	-0.05727	-0.00954		-0.65437	
750530	436	25.	4.38	241.75	-0.05731	-0.01596		-0.53430	
750530	436	35.	3.84	241.46	-0.06712	-0.02037		-0.33372	
750530	436	45.	3.31	241.16	-0.00721	-0.02284	-C.047674	-0.11972	-0.390310
750530	436	55.	2.77	240.87	-0.03925	-0.03329		-0.08743	
750530	437	05.	2.23	240.58	-0.01027	-0.02185		-0.26592	
750530	437	15.	1.69	240.29	-0.03926	-0.01675		-0.47480	
750530	437	25.	1.16	240.00	-0.02628	-0.01422		-0.50320	
750530	437	35.	0.62	239.71	-0.04945	-0.00880		-0.56705	
750530	437	45.	0.08	239.42	-0.06582	-0.00269	-C.053539	-0.60382	0.267971
750530	437	55.	-0.46	239.13	-0.01591	-0.00365		-0.61450	
750530	438	05.	-1.00	238.84	-0.03307	-0.00990		-0.54556	
750530	438	15.	-1.53	238.55	-0.03249	-0.01575		-0.47334	
750530	438	25.	-2.07	238.26	-0.03811	-0.02105		-0.37066	
750530	438	35.	-2.61	237.97	-0.05517	-0.02539			



REVOLUTION 710

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750530	430	35.	-3.15	237.57	-0.09536	-0.02863	-0.020554	-0.26253	0.684423
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.12543	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.07155	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.11036	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.20720	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.28218	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.33026	0.506081
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.34732	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.33150	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.26693	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.21837	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.13412	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.05135	0.107251
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.00590	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.01883	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.02281	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.05640	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.16031	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.25617	-0.109384
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.31392	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.34341	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.35584	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.35747	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.35319	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.34638	0.028779
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.33199	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.30615	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.25841	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.19421	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.12090	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.04270	-0.100981
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.03711	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.11479	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.18856	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.25686	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.31197	-0.699255
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.34854	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.35466	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.35546	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.32189	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.26919	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.20308	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.15131	-0.526747
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.11054	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.09069	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.06652	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.13307	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.19453	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.26404	0.130944
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.31781	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.33556	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.31763	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.27227	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.21324	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.17499	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.07738	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		-0.00621	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.05792	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.10678	
750530	430	35.	-3.15	237.57	-0.09536	-0.02863		0.13853	

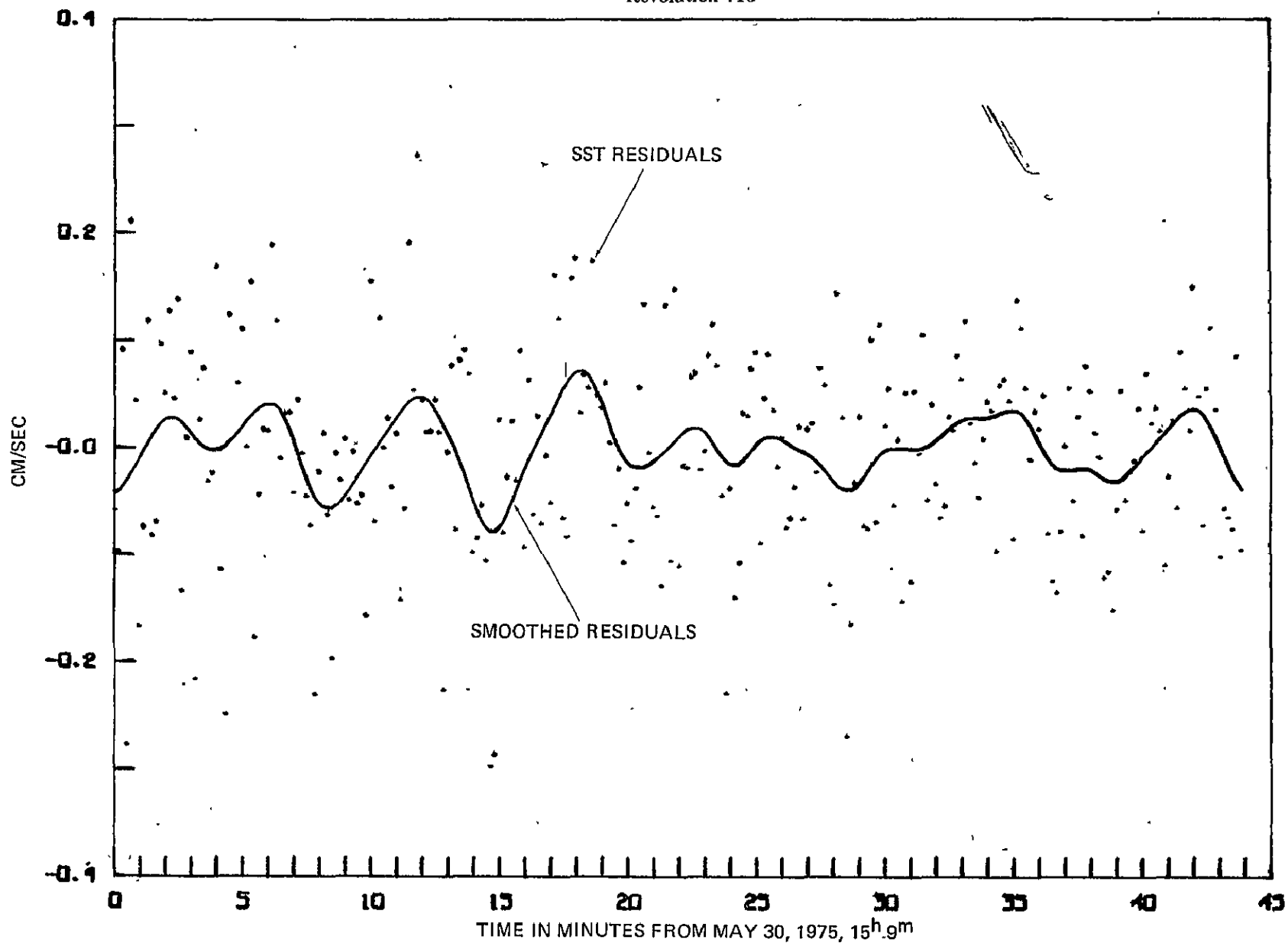
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GEOS-3 Revolution No. 716

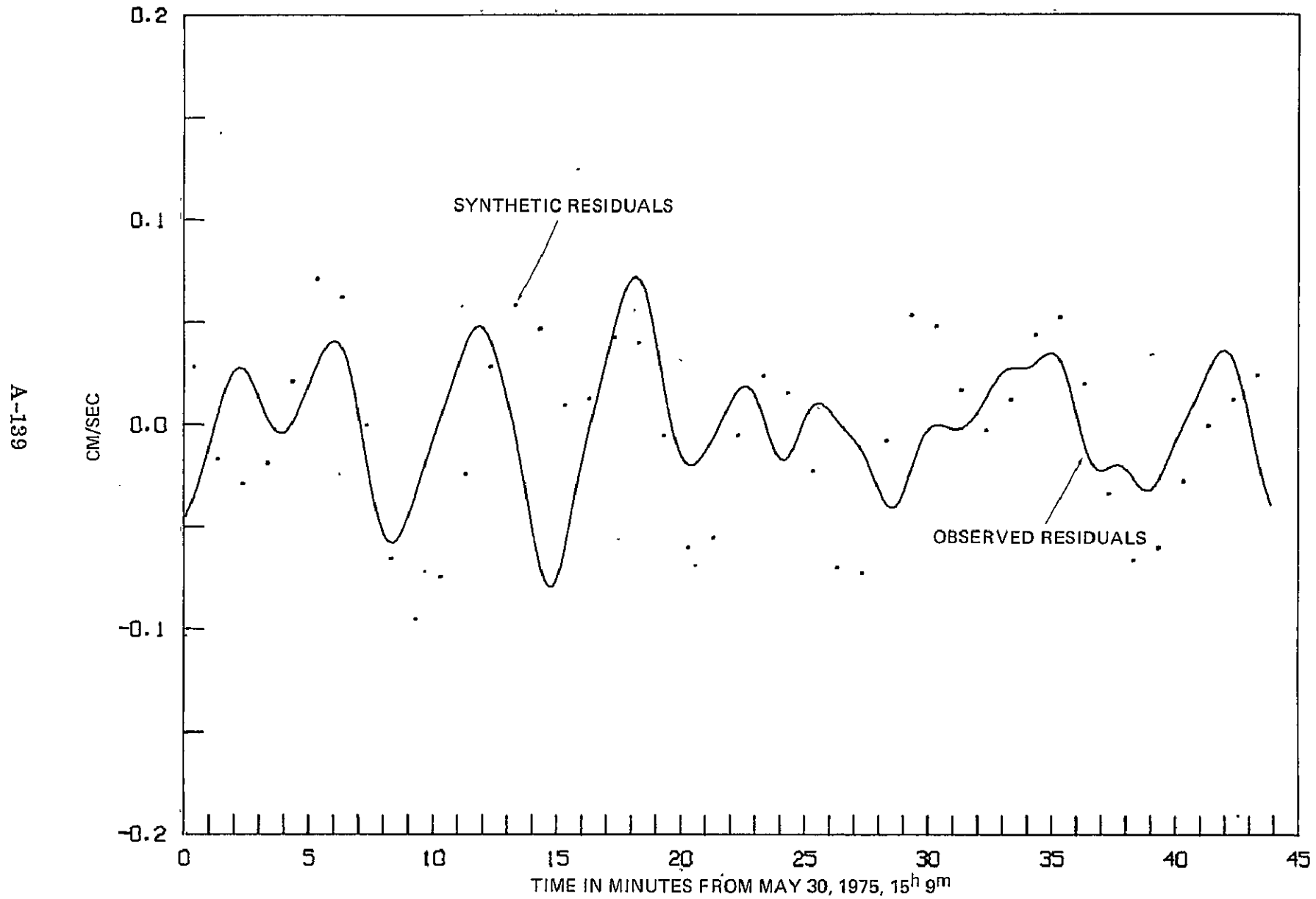
May 30, 1975, 15<sup>h</sup> 09<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 716

A-138.

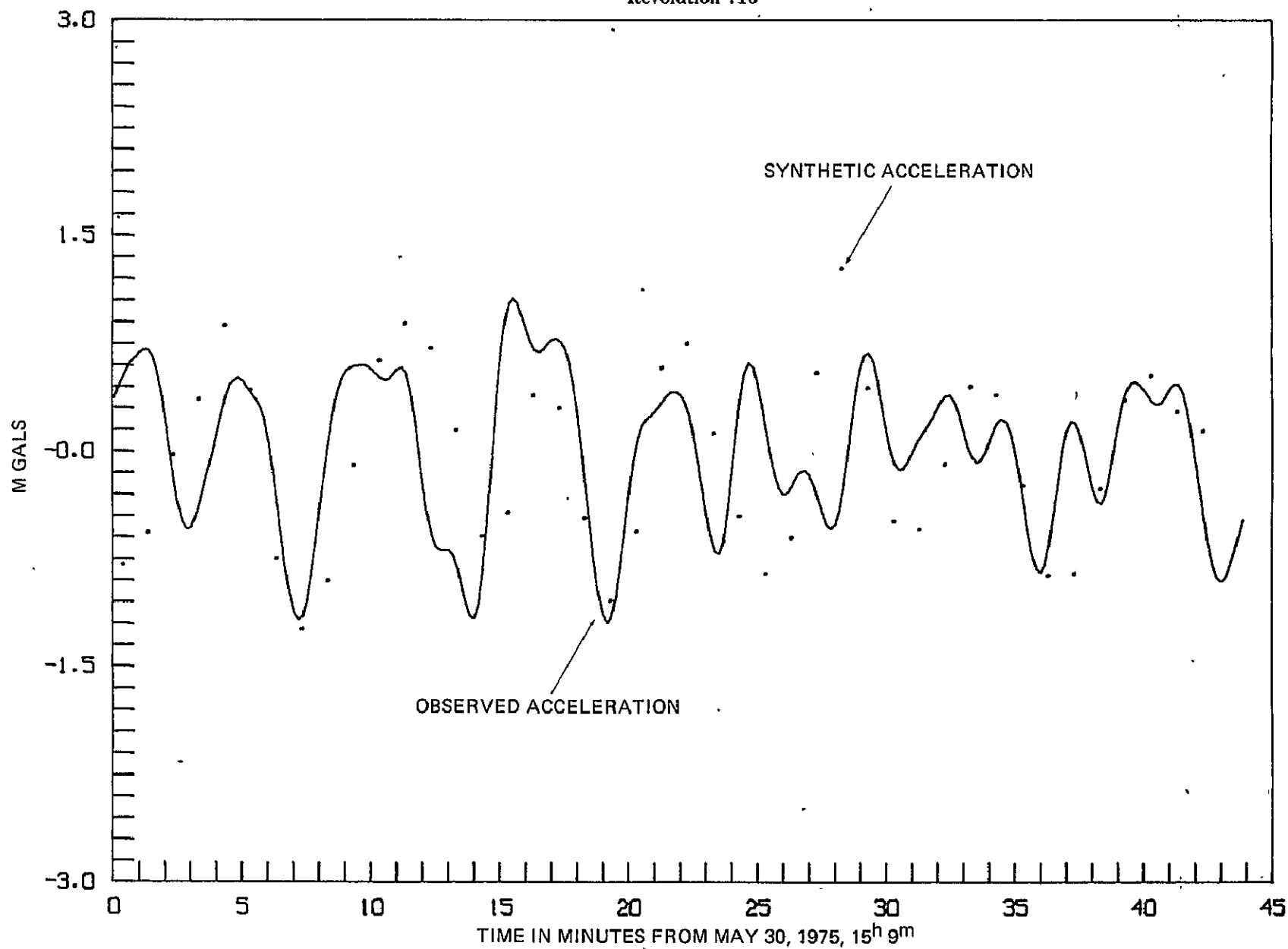


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 716

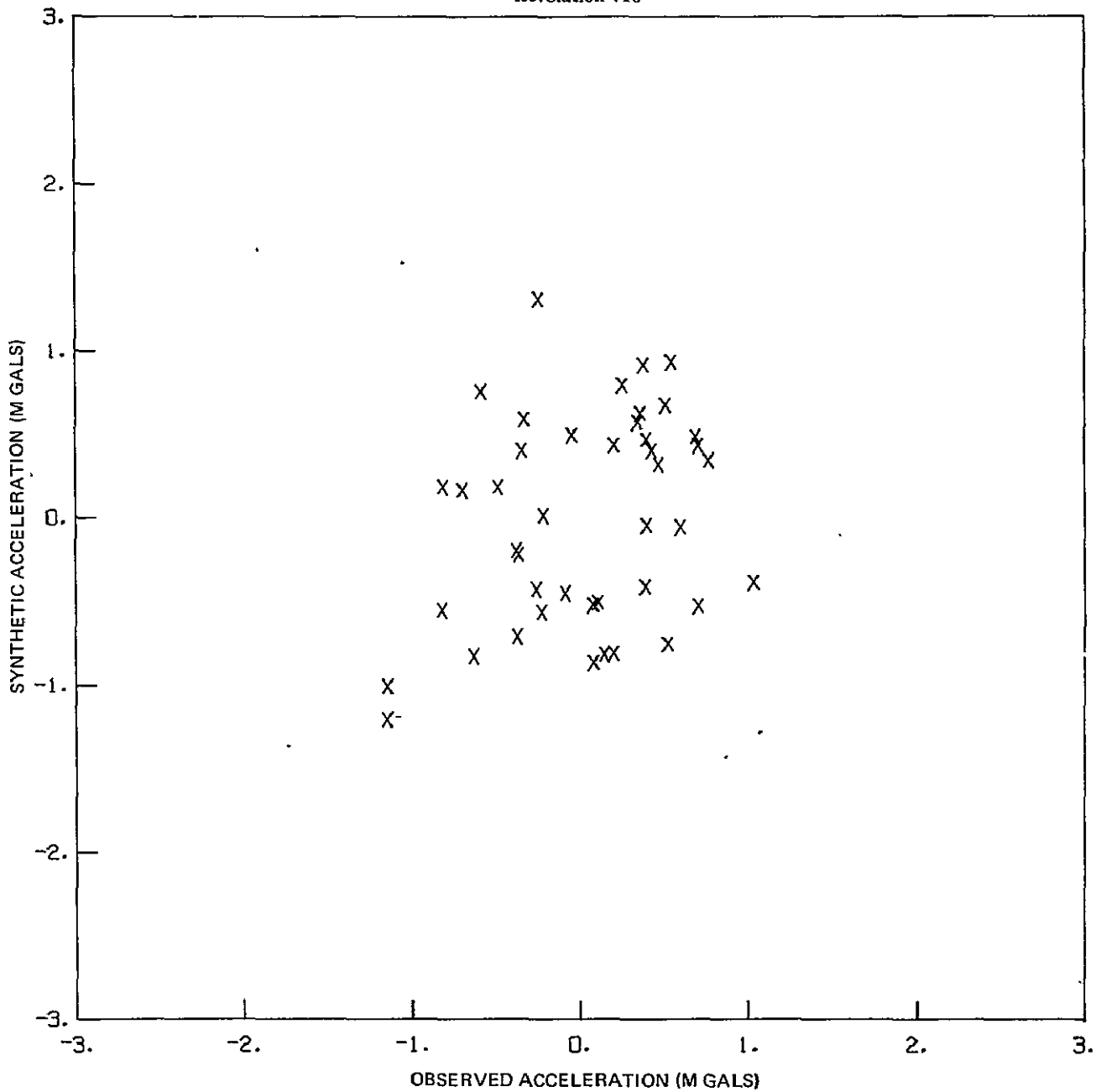


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 716

A-140



GEOS-3/ATS-6 SST Range Rate Residuals  
 Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
 Revolution 716



# REVOLUTION 716

OBSERVATION TIME			GEO-3 SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750530	15 9	14.	-60.69	26.60	-0.05474	-0.04430		0.37269	
750530	15 9	24.	-60.99	25.52	-0.05337	-0.04005		0.45066	
750530	15 9	34.	-61.28	24.43	0.05592	-0.03495	0.030822	0.52077	-0.757317
750530	15 9	44.	-61.56	23.31	-0.27375	-0.02913		0.58118	
750530	15 9	54.	-61.83	22.17	0.21541	-0.02273		0.62635	
750530	15 10	4.	-62.09	21.01	0.04720	-0.01571		0.66122	
750530	15 10	14.	-62.35	19.84	-0.16329	-0.00824		0.69109	
750530	15 10	24.	-62.52	18.64	-0.06933	-0.00071		0.70896	
750530	15 10	34.	-62.82	17.43	0.12278	0.00663	-0.014617	0.69003	-0.530980
750530	15 10	44.	-63.05	16.20	-0.03853	0.01353		0.65291	
750530	15 11	4.	-63.26	14.95	-0.06469	0.01949		0.55867	
750530	15 11	14.	-63.46	13.68	0.10183	0.02407		0.40953	
750530	15 11	24.	-63.66	12.40	0.05455	0.02696		0.21231	
750530	15 11	34.	-63.01	11.10	0.13217	0.02794		-0.00994	
750530	15 11	44.	-64.17	9.78	0.04028	0.02700	-0.026593	-0.22481	0.010487
750530	15 11	54.	-64.32	8.45	0.14235	0.02432		-0.39963	
750530	15 12	4.	-64.46	7.10	-0.13041	0.02033		-0.51022	
750530	15 12	14.	-64.59	5.74	0.01353	0.01544		-0.55014	
750530	15 12	24.	-64.69	4.37	-0.01232	0.01332		-0.52747	
750530	15 12	34.	-64.79	2.99	0.03030	0.00550	-0.016425	-0.45427	0.398632
750530	15 12	44.	-64.88	0.19	0.07072	-0.00130		-0.35112	
750530	15 12	54.	-64.96	358.78	-0.02745	-0.00189		-0.23770	
750530	15 13	4.	-65.02	357.36	-0.01891	-0.00382		-0.12056	
750530	15 13	14.	-65.07	355.93	0.17330	0.00444		0.00008	
750530	15 13	24.	-65.11	354.50	-0.11056	-0.01369		0.12424	
750530	15 13	34.	-65.13	353.07	-0.24558	0.00175	0.023743	0.25335	0.911783
750530	15 13	44.	-65.14	351.64	-0.12845	0.00521		0.37709	
750530	15 14	4.	-65.12	348.77	0.06400	0.01564		0.46937	
750530	15 14	14.	-65.10	347.33	0.11529	0.02085		0.51432	
750530	15 14	24.	-65.06	345.90	0.00416	0.02591		0.48253	
750530	15 14	34.	-65.00	344.48	0.15003	0.03059	0.073747	0.43751	0.462834
750530	15 14	44.	-64.94	343.06	-0.17350	0.03473		0.39375	
750530	15 14	54.	-64.86	341.65	0.03910	0.03803		0.35436	
750530	15 15	4.	-64.77	340.25	0.02158	0.04213		0.30360	
750530	15 15	14.	-64.67	338.86	0.01975	0.04081		0.21379	
750530	15 15	24.	-64.55	337.43	0.15372	0.03968		0.06677	
750530	15 15	34.	-64.42	336.11	0.12169	0.03653	0.064736	-0.13764	-0.711619
750530	15 15	44.	-64.28	334.75	-0.00687	0.03116		-0.62325	
750530	15 15	54.	-64.13	333.41	0.03663	0.02355		-0.84411	
750530	15 16	4.	-63.97	332.09	0.03704	0.01401		-1.02061	
750530	15 16	14.	-63.79	330.76	-0.03823	0.00304		-1.13658	
750530	15 16	24.	-63.61	329.47	0.04292	-0.00871		-1.18259	
750530	15 16	34.	-63.41	328.19	-0.00172	-0.02047	0.001938	-1.15111	-1.206900
750530	15 16	44.	-63.21	326.92	-0.04161	-0.03148		-1.04056	
750530	15 16	54.	-62.99	325.68	-0.06897	-0.04110		-0.85074	
750530	15 17	4.	-62.76	324.45	-0.22706	-0.04884		-0.62977	
750530	15 17	14.	-62.53	323.24	-0.01819	-0.06440		-0.38157	
750530	15 17	24.	-62.28	322.05	0.01820	-0.05754		-0.14177	
750530	15 17	34.	-62.02	320.82	-0.05550	-0.05827	-0.063408	-0.07636	-0.867967
750530	15 17	44.	-61.76	319.73	-0.16317	-0.05692		0.26360	
750530	15 17	54.	-61.49	318.59	-0.00068	-0.05350		0.40819	
750530	15 18	4.	-61.20	317.48	-0.02663	-0.04952		0.50459	
750530	15 18	14.	-60.91	316.38	0.01283	-0.04416		0.55930	
750530	15 18	24.	-60.61	315.31	-0.04501	-0.03814		0.58521	
750530	15 18	34.	-60.31	314.25	0.00087	-0.03177	-0.092912	0.59518	-0.058722
750530	15 18	44.	-59.95	313.21	-0.04851	-0.02523		0.59806	
750530	15 18	54.	-59.67	312.20	-0.03933	-0.01870		0.59686	
750530	15 19	4.	-59.34	311.20	-0.15287	-0.01230		0.58802	
750530	15 19	14.	-59.01	310.21	0.16017	-0.00612		0.56587	
750530	15 19	24.	-58.67	309.25	-0.06456	-0.00038		0.53413	
750530	15 19	34.	-58.32	308.31	0.12589	0.00579	-0.072012	0.50492	0.670116
750530	15 19	44.	-57.96	307.38	0.00339	0.01162		0.49118	
750530	15 19	54.	-57.60	306.47	0.03184	0.01747		0.50188	
750530	15 20	4.	-57.23	305.58	-0.03318	0.02342		0.53375	
750530	15 20	14.	-56.86	304.70	0.01779	0.02941		0.57018	
750530	15 20	24.	-56.48	303.84	-0.13823	0.03523	-0.021773	0.58382	0.928875
750530	15 20	34.	-56.10	303.00	-0.05178	0.04043		0.54192	
750530	15 20	44.	-55.71	302.17	0.15589	0.04456		0.42070	
750530	15 20	54.	-55.32	301.36	0.05821	0.04723		0.22437	
750530	15 21	4.	-54.92	300.56	0.27705	0.04804		0.01522	
750530	15 21	14.	-54.51	299.78	0.04809	0.04688		0.25561	
750530	15 21	24.	-54.11	299.01	0.11230	0.04371		0.45619	
750530	15 21	34.	-53.69	298.26	0.02014	0.03982	0.030762	0.59645	0.753079
750530	15 21	44.	-53.28	297.52	0.04955	0.03267		0.67341	
750530	15 21	54.	-52.86	296.79	0.01858	0.02572		0.69745	
750530	15 22	4.	-52.43	296.06	-0.22201	0.01521		0.69213	
750530	15 22	14.	-52.01	295.38	0.00064	0.01016		0.69408	
750530	15 22	24.	-51.57	294.69	0.08139	0.00158		0.73483	
750530	15 22	34.	-51.14	294.01	-0.07251	-0.00767	0.060697	0.92257	0.180140
750530	15 22	44.	-50.70	293.35	0.06643	-0.01781		0.54583	
750530	15 22	54.	-50.26	292.70	0.05655	-0.02375		1.07459	
750530	15 23	4.	-49.81	292.06	0.07322	-0.04019		1.16308	
750530	15 23	14.	-49.37	291.43	-0.09345	-0.05158		1.16601	
750530	15 23	24.	-48.92	290.81	-0.07694	-0.06215		1.05591	
750530	15 23	34.	-48.46	290.20	-0.04873	-0.07993	0.045145	0.82846	-0.557611
750530	15 23	44.	-48.00	289.60	-0.10198	-0.07701		0.49889	
750530	15 23	54.	-47.54	289.01	0.29357	-0.07976		-0.10352	
750530	15 24	4.	-47.09	288.43	-0.28132	-0.07906		0.26924	
750530	15 24	14.	-46.62	287.86	0.03120	-0.07504		0.64520	
750530	15 24	24.	-46.15	287.29	-0.07504	-0.06811		0.99291	
750530	15 24	34.	-45.68	286.74	-0.02225	-0.05907	0.011826	1.02986	-0.389540
750530	15 24	44.	-45.21	286.20	0.02078	-0.04882		1.06410	
750530	15 24	54.	-44.74	285.66	-0.02639	-0.03819		1.02033	
750530	15 25	4.	-44.26	285.13	0.05556	-0.02779		0.93158	
750530	15 25	14.	-43.78	284.61	-0.08877	-0.01796		0.83241	
750530	15 25	24.	-43.30	284.10	0.06970	-0.03883		0.74984	
750530	15 25	34.	-42.82	283.59	-0.05767	-0.00026	0.015286	0.70002	0.426815
750530	15 25	44.	-42.33	283.07	0.03428	0.03795		0.68931	
750530	15 25	54.	-41.85	282.60	-0.06682	0.01605		0.70835	
750530	15 26	4.	-41.36	282.11	-0.00239	0.02416		0.74430	
750530	15 26	15.	-40.87	281.64	-0.04735	0.03236		0.77562	
750530	15 26	25.	-40.38	281.16	0.16639	0.04058		0.78434	

ORIGINAL PAGE IS  
OF POOR QUALITY

REVOLUTION 716

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750530	1526	32.	-39.39	280.73	0.12441	0.04870	0.044957	0.76325	0.335855
750530	1526	45.	-39.30	280.24	-0.06101	0.05637		0.71106	
750530	1526	55.	-39.39	279.78	-0.07868	0.06300		0.61770	
750530	1527	5.	-38.40	279.33	0.16330	0.06811		0.46746	
750530	1527	15.	-37.30	278.89	0.18150	0.07135		0.25827	
750530	1527	25.	-37.40	278.45	0.03635	0.07235		0.00610	
750530	1527	35.	-36.90	278.02	0.07356	0.07070	0.042112	-0.26886	-0.432062
750530	1527	45.	-36.39	277.59	0.05777	0.06630		-0.54702	
750530	1527	55.	-35.89	277.17	0.17927	0.05529		-0.80555	
750530	1528	5.	-35.32	276.75	0.05246	0.05011		-1.01656	
750530	1528	15.	-34.87	276.34	0.04093	0.03531		-1.15400	
750530	1528	25.	-34.37	275.93	0.06571	0.02766		-1.20152	
750530	1528	35.	-33.56	275.53	0.06821	0.01602	-0.003140	-1.15264	-1.908052
750530	1528	45.	-33.35	275.13	-0.06825	0.00523		-1.01343	
750530	1528	55.	-32.24	274.73	-0.01447	-0.00403		-0.80485	
750530	1529	5.	-32.32	274.34	-0.10332	-0.01126		-0.55789	
750530	1529	15.	-31.61	273.95	-0.04682	-0.01623		-0.30824	
750530	1529	25.	-31.29	273.57	-0.06307	-0.01514		-0.09887	
750530	1529	35.	-30.78	273.19	-0.03274	-0.02015	-0.057793	-0.07297	-0.522677
750530	1529	45.	-30.26	272.81	0.06122	-0.01967		0.17217	
750530	1529	55.	-29.74	272.44	0.13870	-0.01205		0.22064	
750530	1530	5.	-29.23	272.07	-0.00049	-0.01559		0.24632	
750530	1530	15.	-28.71	271.70	-0.05143	-0.01257		0.27420	
750530	1530	25.	-28.19	271.34	-0.05909	-0.00918		0.31309	
750530	1530	35.	-27.67	270.98	-0.12517	-0.00548	-0.052825	0.35713	0.620174
750530	1530	45.	-27.14	270.62	0.13776	-0.00153		0.39328	
750530	1530	55.	-26.62	270.27	-0.12205	0.00268		0.41347	
750530	1531	5.	-26.10	269.92	0.15273	0.00693		0.41377	
750530	1531	15.	-25.58	269.57	-0.10619	0.01103		0.39100	
750530	1531	25.	-25.05	269.22	-0.01140	0.01457		0.33922	
750530	1531	35.	-24.53	268.83	-0.01516	0.01719	-0.002743	0.24807	0.789549
750530	1531	45.	-24.00	268.45	0.07134	0.01858		0.11329	
750530	1531	55.	-23.47	268.00	0.07475	0.01347		-0.05805	
750530	1532	5.	-22.95	267.66	-0.01622	0.01664		-0.24852	
750530	1532	15.	-22.42	267.33	0.00186	0.01303		-0.43722	
750530	1532	25.	-21.89	267.00	0.05128	0.00787		-0.60037	
750530	1532	35.	-21.36	266.66	0.12021	0.00172	0.026084	-0.70692	0.160509
750530	1532	45.	-20.83	266.34	0.00056	-0.00467		-0.72292	
750530	1532	55.	-20.30	266.01	-0.04086	-0.01046		-0.62644	
750530	1533	5.	-19.77	265.69	-0.22565	-0.01493		-0.42323	
750530	1533	15.	-19.24	265.36	-0.03309	-0.01749		-0.15117	
750530	1533	25.	-18.71	265.04	-0.13618	-0.01775		0.13614	
750530	1533	35.	-18.18	264.73	-0.10241	-0.01578	0.017619	0.38532	-0.416457
750530	1533	45.	-17.65	264.41	0.03715	-0.01200		0.55259	
750530	1533	55.	-17.11	264.09	0.03357	-0.00704		0.61714	
750530	1534	5.	-16.58	263.78	0.07861	-0.00170		0.58317	
750530	1534	15.	-16.05	263.47	0.05418	0.00324		0.47260	
750530	1534	25.	-15.51	263.16	-0.06518	0.00714		0.31546	
750530	1534	35.	-14.98	262.85	0.05128	0.00953	-0.020427	0.13830	-0.816653
750530	1534	45.	-14.44	262.54	0.05185	0.01035		-0.03490	
750530	1534	55.	-13.91	262.23	0.03901	0.00978		-0.17804	
750530	1535	5.	-13.37	261.92	-0.01388	0.00812		-0.27053	
750530	1535	15.	-12.84	261.62	0.01432	0.00577		-0.30493	
750530	1535	25.	-12.30	261.32	-0.07024	0.00314		-0.28748	
750530	1535	35.	-11.77	261.01	-0.06035	0.00053	-0.067494	-0.23688	-0.565518
750530	1535	45.	-11.23	260.71	-0.03123	-0.00136		-0.17941	
750530	1535	55.	-10.69	260.41	0.02462	-0.00402		-0.13936	
750530	1536	5.	-10.16	260.11	-0.06238	-0.00608		-0.13275	
750530	1536	15.	-9.62	260.01	0.02215	-0.00836		-0.16732	
750530	1536	25.	-9.08	259.72	0.02772	-0.01110		-0.24073	
750530	1536	35.	-8.54	259.42	-0.01835	-0.01451	-0.070352	-0.33870	0.587046
750530	1536	45.	-8.01	259.12	0.07971	-0.01867		-0.43928	
750530	1536	55.	-7.47	258.83	0.06269	-0.02338		-0.51521	
750530	1537	5.	-6.93	258.53	-0.12385	-0.02937		-0.54082	
750530	1537	15.	-6.39	258.24	-0.14157	-0.03325		-0.50473	
750530	1537	25.	-5.85	257.94	0.14851	-0.03745		-0.40844	
750530	1537	35.	-5.32	257.65	0.03197	-0.04022	-0.005560	-0.25208	1.307392
750530	1537	45.	-4.78	257.36	-0.26463	-0.04119		-0.04077	
750530	1537	55.	-4.24	257.06	-0.15953	-0.04029		0.19606	
750530	1538	5.	-3.70	256.77	-0.02787	-0.03748		0.41418	
750530	1538	15.	-3.16	256.48	0.03365	-0.03293		0.57872	
750530	1538	25.	-2.62	256.19	-0.06911	-0.02712		0.67171	
750530	1538	35.	-2.09	255.90	-0.07151	-0.02078	0.055756	0.68574	0.478795
750530	1538	45.	-1.54	255.60	0.10577	-0.01461		0.62144	
750530	1539	5.	-1.00	255.31	-0.06541	-0.00919		0.49360	
750530	1539	15.	-0.46	255.02	0.12016	-0.00500		0.32727	
750530	1539	25.	0.07	254.73	0.02456	-0.00220		0.15352	
750530	1539	35.	0.61	254.44	0.06050	-0.00076		0.00500	
750530	1539	45.	1.15	254.15	-0.00004	-0.00043	0.049943	-0.09430	-0.453840
750530	1539	55.	1.69	253.86	0.01247	-0.00086		-0.13503	
750530	1540	5.	2.23	253.56	-0.13912	-0.00162		-0.12290	
750530	1540	15.	2.77	253.27	0.05642	-0.00236		-0.07534	
750530	1540	25.	3.31	252.98	-0.12113	-0.00275		-0.01282	
750530	1540	35.	3.85	252.69	0.05762	-0.00266		0.04915	
750530	1540	45.	4.39	252.40	-0.00171	-0.00199	0.015625	-0.10056	-0.507649
750530	1540	55.	4.93	252.10	0.11031	-0.00069		0.14414	
750530	1540		5.46	251.81	-0.04486	0.00124		0.18882	
750530	1541	5.	6.00	251.52	0.04472	0.00374		0.24118	
750530	1541	15.	6.54	251.22	-0.03028	0.00678		0.30001	
750530	1541	25.	7.08	250.93	-0.06116	0.01025		0.35599	
750530	1541	35.	7.62	250.63	-0.04525	0.01395	-0.000819	-0.39156	-0.049426
750530	1541	45.	8.15	250.34	0.03392	0.01762		0.38884	
750530	1541	55.	8.69	250.04	0.02034	0.02098		0.33964	
750530	1542	5.	9.23	249.74	0.06112	0.02375		0.24946	
750530	1542	15.	9.77	249.44	0.06799	0.02574		0.13663	
750530	1542	25.	10.30	249.14	0.12352	0.02691		-0.02770	
750530	1542	35.	10.84	248.84	0.02674	0.02739	0.014482	-0.05047	0.490456
750530	1542	45.	11.38	248.54	-0.01617	0.02741		-0.08068	
750530	1542	55.	11.91	248.24	-0.04267	0.02726		-0.06212	
750530	1543	5.	12.45	247.94	0.01264	0.02728		-0.00729	
750530	1543	15.	12.99	247.64	0.04771	0.02774		0.06613	
750530	1543	25.	13.52	247.33	0.03921	0.02880		0.14123	



REVOLUTION 716

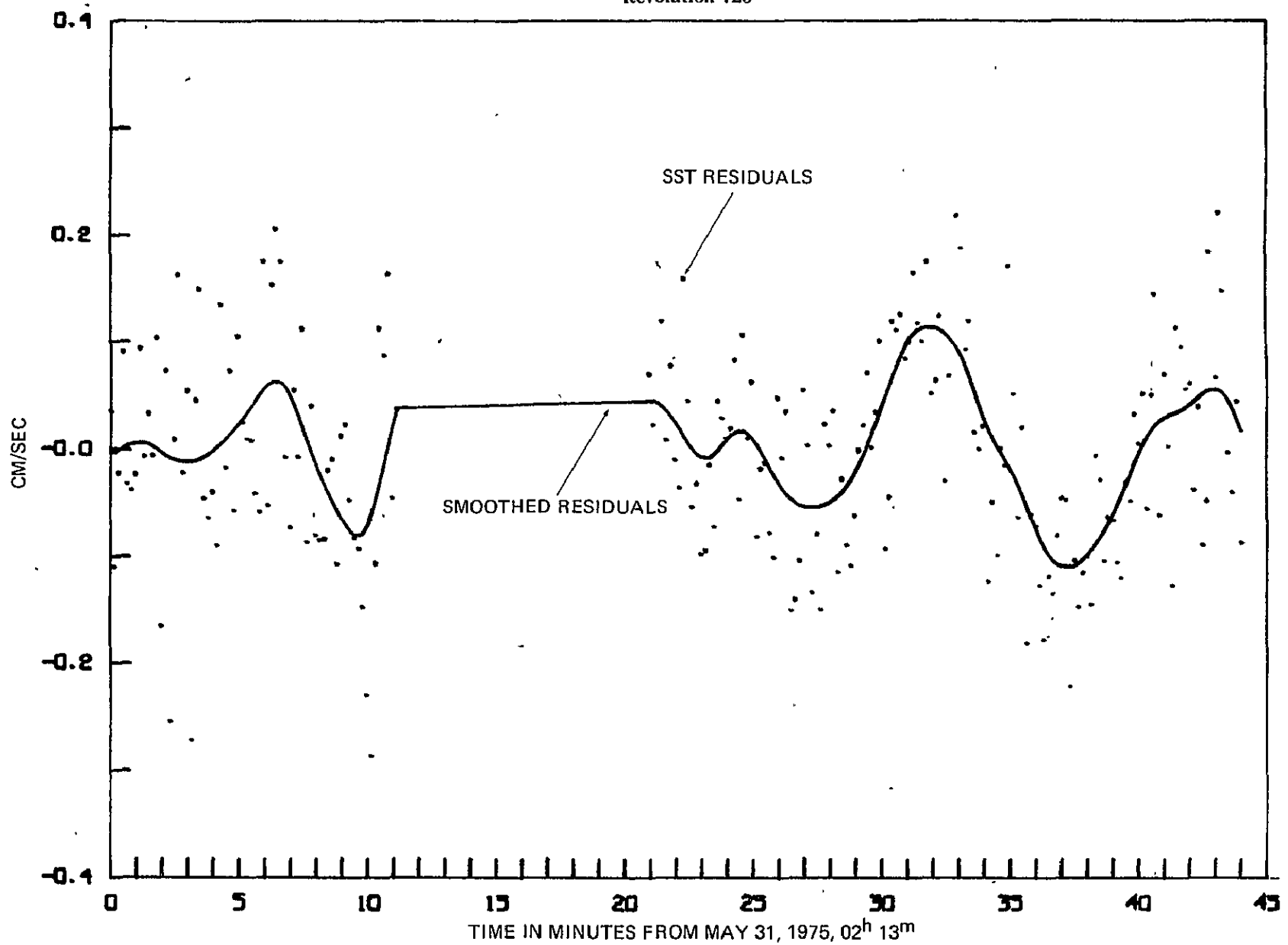
OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750530	1543	36.	14.06	247.02	-0.05240	0.03033	0.046075	2.20091	0.429400
750530	1543	46.	14.59	246.72	0.06360	0.03204		0.22535	
750530	1543	56.	15.13	246.41	0.06838	0.03361		0.19971	
750530	1544	6.	15.66	246.10	0.04756	0.03462		0.12034	
750530	1544	16.	16.19	245.79	-0.08114	0.03453		-0.00978	
750530	1544	26.	16.73	245.47	0.14228	0.03291		-0.18397	
750530	1544	36.	17.26	245.16	0.11585	0.02961	0.054690	-0.38390	-0.200659
750530	1544	46.	17.79	244.84	0.05840	0.02462		-0.57775	
750530	1544	56.	18.32	244.53	-0.00728	0.01310		-0.73422	
750530	1545	6.	18.86	244.21	0.03866	0.01046		-0.82970	
750530	1545	16.	19.39	243.89	0.02089	0.00236		-0.84874	
750530	1545	26.	19.92	243.56	0.05354	-0.00543		-0.78345	
750530	1545	36.	20.45	243.24	-0.07616	-0.01222	0.021973	-0.63708	-0.828474
750530	1545	46.	20.98	242.91	-0.12048	-0.01750		-0.43036	
750530	1545	56.	21.51	242.59	-0.13134	-0.02101		-0.20207	
750530	1546	6.	22.04	242.25	-0.07274	-0.02278		0.00227	
750530	1546	16.	22.56	241.92	0.00672	-0.02303		0.14547	
750530	1546	26.	23.09	241.59	0.06066	-0.02224		0.20967	
750530	1546	36.	23.62	241.25	-0.04578	-0.02102	-0.031930	0.19684	-0.814097
750530	1546	46.	24.14	240.91	0.03377	-0.02007		0.12003	
750530	1546	56.	24.67	240.57	-0.07829	-0.01929		-0.00131	
750530	1547	6.	25.20	240.22	0.08118	-0.02077		-0.14258	
750530	1547	16.	25.72	239.89	0.05671	-0.02265		-0.27277	
750530	1547	26.	26.24	239.53	0.01719	-0.02524		-0.35690	
750530	1547	36.	26.77	239.18	-0.00516	-0.02808	-0.064196	-0.36844	-0.221284
750530	1547	46.	27.29	238.82	-0.11751	-0.03064		-0.29856	
750530	1547	56.	27.81	238.46	-0.11072	-0.03239		-0.16037	
750530	1548	6.	28.33	238.10	-0.14747	-0.03276		0.01304	
750530	1548	16.	28.86	237.74	-0.08237	-0.03213		0.18566	
750530	1548	26.	29.37	237.37	0.05878	-0.02997		0.32745	
750530	1548	36.	29.89	237.00	-0.04473	-0.02637	-0.058030	0.42564	0.397525
750530	1548	46.	30.40	236.62	-0.01116	-0.02201		0.47862	
750530	1548	56.	30.92	236.25	-0.00674	-0.01720		0.48983	
750530	1549	6.	31.44	235.87	0.04190	-0.01229		0.46814	
750530	1549	16.	31.96	235.48	-0.07307	-0.00753		0.42668	
750530	1549	26.	32.46	235.09	0.07442	-0.03067		0.37381	
750530	1549	36.	32.98	234.70	0.02706	0.00114	-0.025464	0.33912	0.567778
750530	1549	46.	33.48	234.30	0.04180	0.00522		0.32275	
750530	1549	56.	34.00	233.90	0.01070	0.00035		0.33814	
750530	1550	6.	34.51	233.50	-0.10555	0.01364		0.38174	
750530	1550	16.	35.01	233.09	-0.02171	0.01811		0.43475	
750530	1550	26.	35.52	232.67	0.02914	0.02269		0.47056	
750530	1550	36.	36.03	232.25	-0.05217	0.02718	0.001602	0.46759	0.312960
750530	1550	46.	36.53	231.83	0.05438	0.03116		0.40925	
750530	1550	56.	37.03	231.40	0.05929	0.03422		0.29176	
750530	1551	6.	37.53	230.97	0.01860	0.03589		0.12386	
750530	1551	16.	38.03	230.53	0.15457	0.03578		-0.07844	
750530	1551	26.	38.53	230.08	0.05193	0.03372		-0.29234	
750530	1551	36.	39.03	229.63	-0.00820	0.02980	0.014531	-0.49483	0.180131
750530	1551	46.	39.53	229.18	0.06082	0.02354		-0.67099	
750530	1551	56.	40.02	228.72	0.11725	0.01596		-0.80779	
750530	1552	6.	40.51	228.25	0.03971	0.00742		-0.88993	
750530	1552	16.	41.00	227.78	-0.05734	-0.00164		-0.90933	
750530	1552	26.	41.49	227.30	-0.05105	-0.01079		-0.87210	
750530	1552	36.	41.98	226.81	-0.06045	-0.01954		-0.79386	
750530	1552	46.	42.47	226.31	-0.07163	-0.02746		-0.69167	
750530	1552	56.	42.95	225.81	0.05072	-0.03426		-0.58120	
750530	1553	6.	43.43	225.31	-0.09102	-0.03989		-0.47262	

GEOS-3 Revolution No. 723

May 31, 1975, 2<sup>h</sup> 13<sup>m</sup>

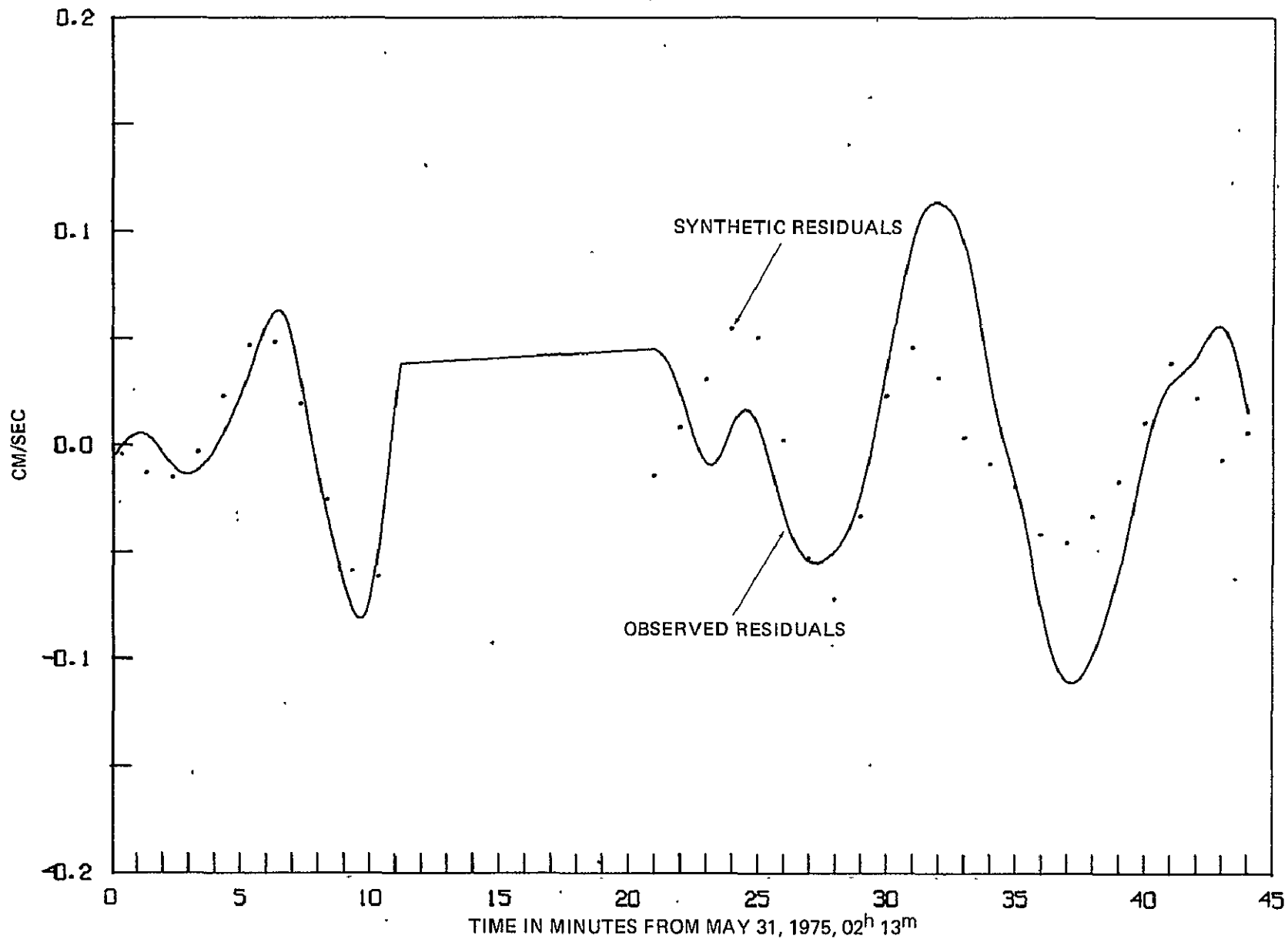
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 723

A-146



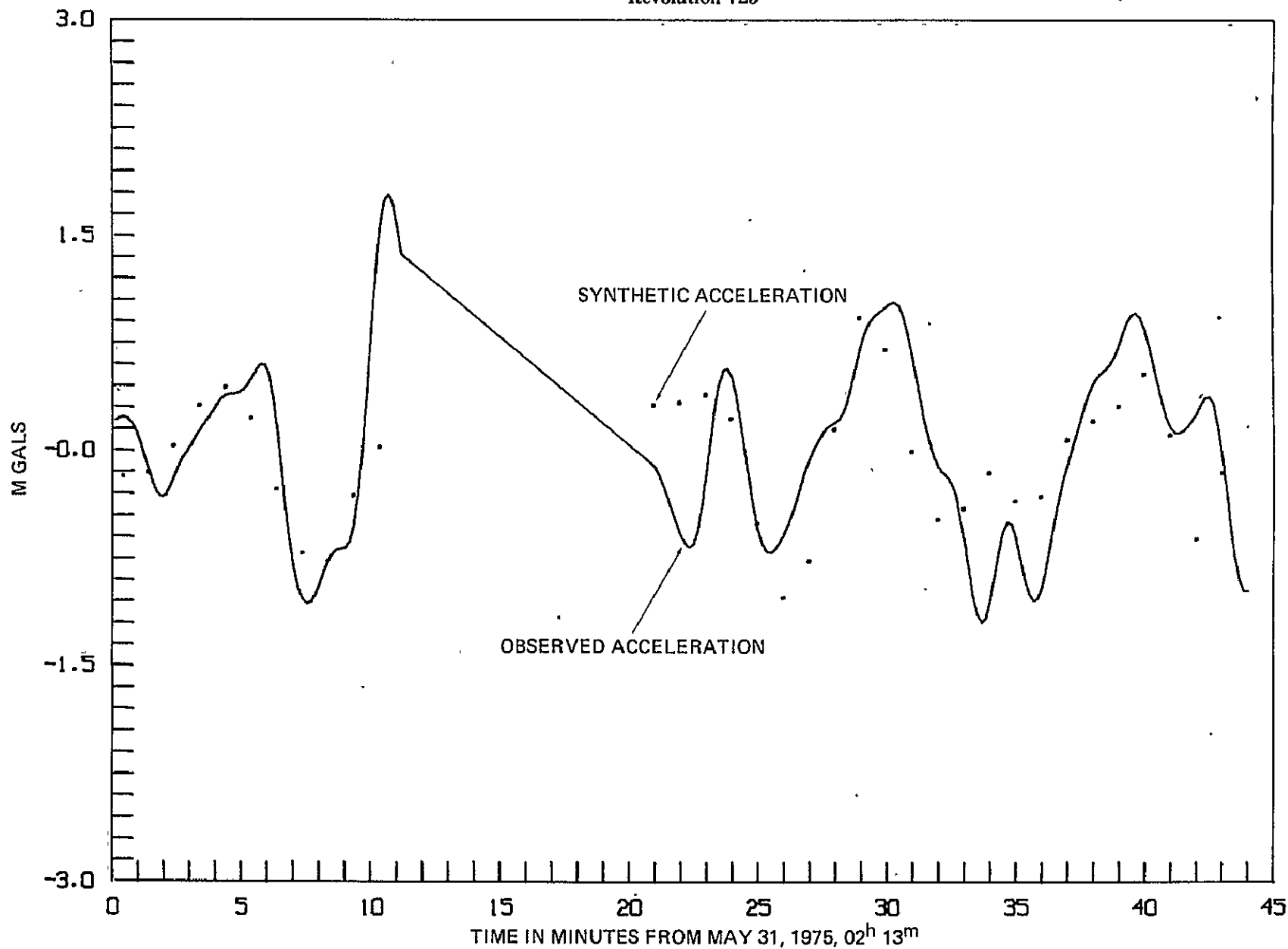
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 723

A-147

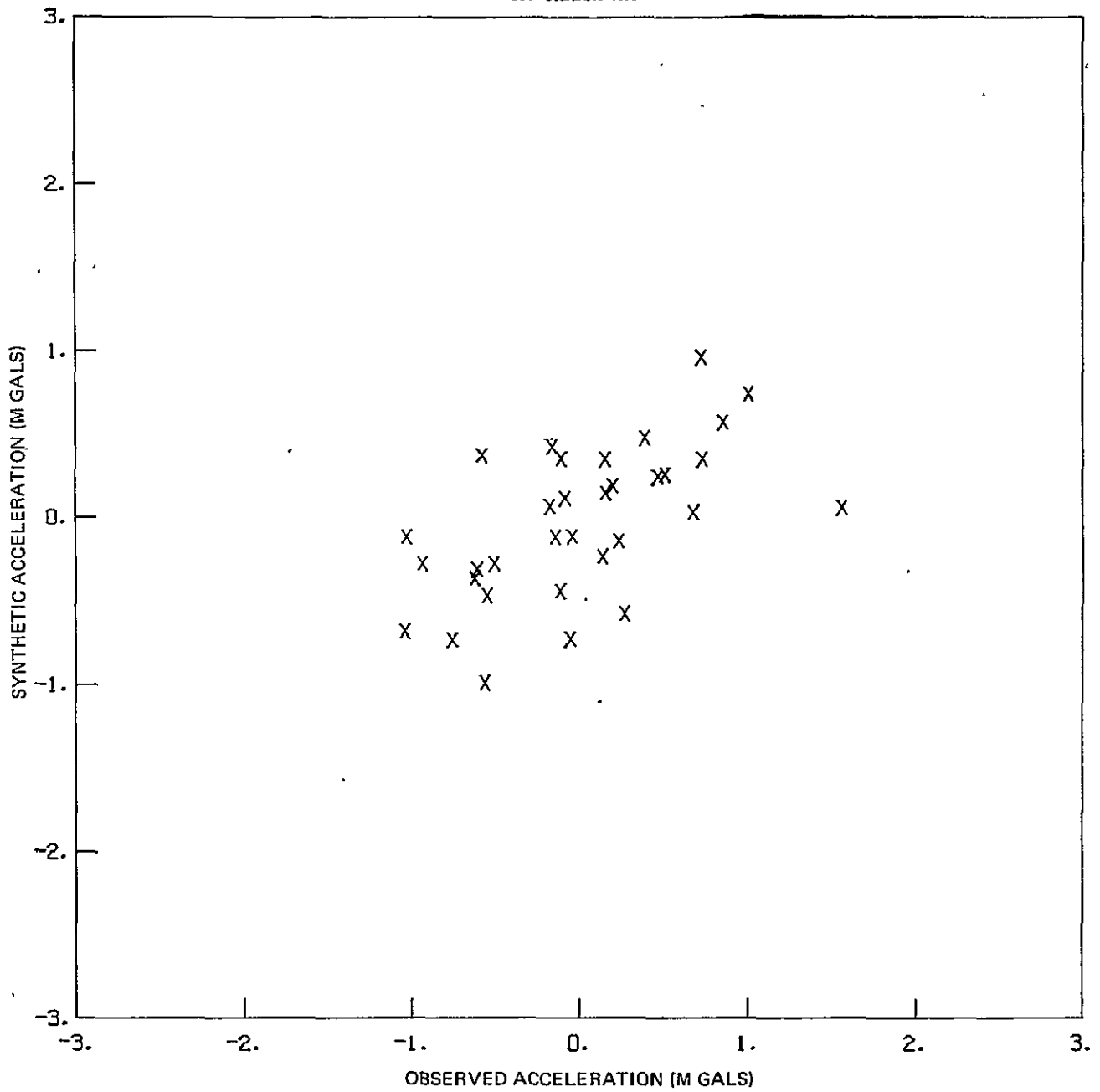


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 723

A-148



GEOS-3/ATS-6 SST Range Rate Residuals  
 - Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
 Revolution 723



REVOLUTION 723

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750631	213	54.	64.65	13.97	-0.04618	-0.04491		0.23346	
750631	214	4.	64.75	17.59	-0.10634	-0.01268		0.22517	
750631	214	14.	64.85	15.18	-0.01761	-0.00339	-0.001909	0.23126	-0.144850
750631	214	24.	64.93	14.77	-0.05662	-0.00179		0.21651	
750631	214	34.	65.01	13.38	-0.02632	-0.00309		0.18171	
750631	214	44.	65.05	11.53	-0.03445	-0.00519		0.12624	
750631	214	54.	65.07	1.80	-0.01514	-0.00578		0.04318	
750631	215	4.	65.12	9.06	-0.09643	-0.01563		0.04613	
750631	215	14.	65.14	7.63	-0.06660	-0.04463	-0.010601	-0.14777	-0.117560
750631	215	24.	65.14	6.13	-0.02774	-0.00260		-0.23912	
750631	215	34.	65.12	4.75	-0.02232	-0.00330		-0.30430	
750631	215	44.	65.11	3.32	-0.01832	-0.00258		-0.33083	
750631	215	54.	65.08	1.89	-0.01675	-0.00259		-0.31228	
750631	216	4.	65.03	0.46	-0.07782	-0.00821		-0.25586	
750631	216	14.	64.97	359.04	-0.02503	-0.01047	-0.012992	-0.17908	0.065942
750631	216	24.	64.89	357.62	-0.01334	-0.01223		-0.10459	
750631	216	34.	64.81	356.22	-0.00715	-0.01333		-0.04765	
750631	216	44.	64.71	354.82	-0.01645	-0.01357		-0.00218	
750631	216	54.	64.60	353.43	-0.05528	-0.01336		0.04437	
750631	217	4.	64.49	352.06	-0.02624	-0.01252		0.09683	
750631	217	14.	64.34	350.70	-0.00026	-0.01128	-0.000734	0.14723	0.347092
750631	217	24.	64.19	349.35	-0.05376	-0.00952		0.18899	
750631	217	34.	64.04	348.01	-0.04216	-0.00713		0.23006	
750631	217	44.	63.87	346.69	-0.05989	-0.00425		0.27701	
750631	217	54.	63.68	345.39	-0.03530	-0.00097		0.32504	
750631	218	4.	63.49	344.10	-0.08594	-0.00263		0.36385	
750631	218	14.	63.29	342.83	-0.13974	0.00651	0.025723	0.38517	0.473983
750631	218	24.	63.08	341.57	-0.01333	0.01006		0.35176	
750631	218	34.	62.85	340.34	-0.07772	0.01532		0.39392	
750631	218	44.	62.62	339.12	-0.05336	0.01957		0.40167	
750631	218	54.	62.38	337.92	-0.11015	0.02432		0.42141	
750631	219	4.	62.13	336.74	-0.02644	0.02642		0.43682	
750631	219	14.	61.87	335.56	-0.01340	0.03492	0.049264	0.45725	0.254631
750631	219	24.	61.59	334.44	-0.01167	0.04076		0.46153	
750631	219	34.	61.32	333.32	-0.03701	0.04674		0.45863	
750631	219	44.	61.03	332.22	-0.05475	0.05249		0.45122	
750631	219	54.	60.73	331.13	-0.10009	0.05748		0.41440	
750631	220	4.	60.43	330.07	-0.04668	0.06120	0.050841	0.35948	-0.236008
750631	220	14.	60.12	328.97	-0.15531	0.06302		0.33374	
750631	220	24.	59.83	327.88	-0.21667	0.06258		-0.13918	
750631	220	34.	59.54	326.79	-0.17650	0.05972		-0.41838	
750631	220	44.	59.24	325.70	-0.00361	0.05447		-0.66248	
750631	220	54.	58.95	324.63	-0.06694	0.04700		-0.84853	
750631	221	4.	58.65	323.56	-0.05988	0.03773		-0.67503	
750631	221	14.	58.35	322.50	-0.03367	0.02727	0.021781	-0.04810	-0.682348
750631	221	24.	58.05	321.44	-0.01677	0.01620		-0.07323	
750631	221	34.	57.75	320.38	-0.02291	0.00950		-0.04431	
750631	221	44.	57.45	319.33	-0.04493	-0.00593		-0.09906	
750631	221	54.	57.15	318.28	-0.07594	-0.01623		-0.20207	
750631	222	4.	56.85	317.23	-0.02035	-0.02603		-0.23466	
750631	222	14.	56.55	316.18	-0.07551	-0.03516	-0.023152	-0.76096	-0.735148
750631	222	24.	56.25	315.13	-0.01498	-0.04374		-0.71309	
750631	222	34.	55.95	314.08	-0.04684	-0.05185		-0.69237	
750631	222	44.	55.65	313.03	-0.13363	-0.05956		-0.68639	
750631	222	54.	55.35	311.98	-0.01741	-0.06022		-0.67469	
750631	223	4.	55.05	310.93	-0.02776	-0.07327	-0.056317	-0.62810	-0.279358
750631	223	14.	54.75	309.88	-0.047854	-0.08131		-0.51215	
750631	223	24.	54.45	308.83	-0.07686	-0.08131		-0.30060	
750631	223	34.	54.15	307.78	-0.08439	-0.08138		0.01287	
750631	223	44.	53.85	306.73	-0.14342	-0.07786		0.40934	
750631	223	54.	53.55	305.68	-0.22502	-0.07050		0.84331	
750631	224	4.	53.25	304.63	-0.28235	-0.05956		1.24965	
750631	224	14.	52.95	303.58	-0.10113	-0.04885	-0.050155	1.56330	0.057292
750631	224	24.	52.65	302.53	-0.11774	-0.02944		1.74383	
750631	224	34.	52.35	301.48	-0.09143	-0.01179		1.76614	
750631	224	44.	52.05	300.43	-0.10614	0.007613		1.71194	
750631	224	54.	51.75	299.38	-0.04112	0.02316		1.55637	
750631	225	4.	51.45	298.33	-0.04166	0.03950		1.35730	
750631	225	14.	51.15	297.28	-0.07445	0.04527	-0.011629	-0.11546	0.352210
750631	225	24.	50.85	296.23	-0.12020	0.04306		-0.17480	
750631	225	34.	50.55	295.18	-0.04880	0.04133		-0.24517	
750631	225	44.	50.25	294.13	-0.12407	0.03809		-0.32836	
750631	225	54.	49.95	293.08	-0.01236	0.03390		-0.41912	
750631	226	4.	49.65	292.03	-0.08268	0.02881		-0.50973	
750631	226	14.	49.35	290.98	-0.06226	0.02295	0.0013919	-0.59022	0.370530
750631	226	24.	49.05	289.93	-0.03155	0.01648		-0.64545	
750631	226	34.	48.75	288.88	-0.10356	0.00975		-0.67486	
750631	226	44.	48.45	287.83	-0.04673	0.00334		-0.64783	
750631	226	54.	48.15	286.78	-0.04550	-0.00226		-0.55152	
750631	227	4.	47.85	285.73	-0.02726	-0.00656		-0.36578	
750631	227	14.	47.55	284.68	-0.03048	-0.00909	0.033600	-0.16653	0.423366
750631	227	24.	47.25	283.63	-0.08920	-0.00903		0.06884	
750631	227	34.	46.95	282.58	-0.10943	-0.00816		0.28894	
750631	227	44.	46.65	281.53	-0.06769	-0.00493		0.44500	
750631	227	54.	46.35	280.48	-0.04592	-0.00047		0.55636	
750631	228	4.	46.05	279.43	-0.03289	0.00458		0.57124	
750631	228	14.	45.75	278.38	-0.03143	0.00950	0.057400	0.50800	0.256170
750631	228	24.	45.45	277.33	-0.02457	0.01356		0.37846	
750631	228	34.	45.15	276.28	-0.06806	0.01620		0.22051	
750631	228	44.	44.85	275.23	-0.10225	0.01766		-0.08522	
750631	228	54.	44.55	274.18	-0.11161	0.01593		-0.21496	
750631	229	4.	44.25	273.13	-0.01425	0.01292		-0.40684	
750631	229	14.	43.95	272.08	-0.06776	0.00824	0.0053179	-0.56006	-0.471515
750631	229	24.	43.65	271.03	-0.07668	0.00327		-0.66155	
750631	229	34.	43.35	269.98	-0.01318	-0.003460		-0.70587	
750631	229	44.	43.05	268.93	-0.00724	-0.01191		-0.71316	
750631	229	54.	42.75	267.88	-0.07328	-0.01924		-0.68272	
750631	230	4.	42.45	266.83	-0.03633	-0.02634		-0.63226	
750631	230	14.	42.15	265.78	-0.05265	-0.03296	0.004865	-0.57408	-0.992063
750631	230	24.	41.85	264.73	-0.00418	-0.03894		-0.51044	
750631	230	34.	41.55	263.68	-0.04018	-0.04386		-0.43505	
750631	230	44.	41.25	262.63	-0.14660	-0.04793		-0.34282	
750631	230	54.	40.95	261.58	-0.13507	-0.05110		-0.23950	
750631	231	4.	40.65	260.53	-0.09848	-0.05338		-0.14675	

REVOLUTION 723

OBSERVATION TIME			GEOS-3		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	SUBSATELLITE POINT	LAT E, LONG					
750531	240	55	-2.53	270.00	0.06033	-0.05876	-0.050377	-0.05874	-0.0729435
750531	241	55	-0.86	269.71	0.0752	-0.05522		-0.05874	
750531	241	55	-1.40	269.42	0.12947	-0.05495		-0.05874	
750531	241	55	-1.94	269.13	0.07331	-0.05493		-0.05874	
750531	241	55	-2.48	268.83	0.14568	-0.05272		-0.05874	
750531	241	55	-3.02	268.54	0.12838	-0.05197		-0.05874	
750531	241	55	-3.55	268.25	0.07336	-0.04907		-0.05874	
750531	242	55	-4.09	267.96	0.04566	-0.04643	-0.069718	-0.05874	0.186854
750531	242	55	-4.63	267.67	0.11231	-0.04324		-0.05874	
750531	242	55	-5.17	267.37	0.12249	-0.03930		-0.05874	
750531	242	55	-5.70	267.08	0.06570	-0.03440		-0.05874	
750531	242	55	-6.24	266.79	0.10440	-0.02843		-0.05874	
750531	243	55	-6.78	266.49	0.06435	-0.02138	-0.021734	-0.05874	0.962506
750531	243	55	-7.31	266.20	0.07391	-0.01332		-0.05874	
750531	243	55	-7.85	265.90	0.07775	-0.00430		-0.05874	
750531	243	55	-8.39	265.61	0.07652	0.00563		-0.05874	
750531	243	55	-8.92	265.31	0.06577	0.01573		-0.05874	
750531	243	55	-9.46	265.01	0.03508	0.02673		-0.05874	
750531	243	55	-10.00	264.72	0.01507	0.03742	0.025859	-0.05874	0.738978
750531	244	55	-10.53	264.42	0.06845	0.04658		-0.05874	
750531	244	55	-11.07	264.12	0.07377	0.05963		-0.05874	
750531	244	55	-11.60	263.82	0.12464	0.07032		-0.05874	
750531	244	55	-12.14	263.52	0.11539	0.08142		-0.05874	
750531	244	55	-12.67	263.21	0.13069	0.08957		-0.05874	
750531	244	55	-13.21	262.91	0.08551	0.07571	0.048275	-0.05874	0.030611
750531	245	55	-13.74	262.61	0.14503	0.10388		-0.05874	
750531	245	55	-14.28	262.31	0.16572	0.10361		-0.05874	
750531	245	55	-14.81	261.99	0.12173	0.11174		-0.05874	
750531	245	55	-15.34	261.68	0.11383	0.11341		-0.05874	
750531	245	55	-15.87	261.37	0.10552	0.11385		-0.05874	
750531	245	55	-16.41	261.06	0.11335	0.11335	0.034277	-0.05874	-0.0442023
750531	246	55	-16.94	260.75	0.09550	0.11247		-0.05874	
750531	246	55	-17.47	260.44	0.12933	0.11010		-0.05874	
750531	246	55	-18.00	260.12	0.08556	0.10757		-0.05874	
750531	246	55	-18.53	259.80	0.07352	0.10355	0.0306142	-0.05874	-0.0365867
750531	246	55	-19.06	259.49	0.02360	0.09171		-0.05874	
750531	247	55	-19.59	259.18	0.19179	0.08353		-0.05874	
750531	247	55	-20.12	258.87	0.09728	0.07583		-0.05874	
750531	247	55	-20.65	258.56	0.12422	0.06285		-0.05874	
750531	247	55	-21.18	258.25	0.15753	0.05113		-0.05874	
750531	247	55	-21.71	257.94	0.07412	0.03933		-0.05874	
750531	247	55	-22.24	257.63	0.06663	0.02812	-0.005211	-0.05874	-0.0110183
750531	247	55	-22.77	257.32	0.11928	0.01799		-0.05874	
750531	248	55	-23.30	257.01	0.04319	0.00909		-0.05874	
750531	248	55	-23.83	256.70	0.06351	0.00132		-0.05874	
750531	248	55	-24.36	256.39	0.06652	0.00573		-0.05874	
750531	248	55	-24.89	256.08	0.05577	0.01257		-0.05874	
750531	248	55	-25.42	255.77	0.17627	0.01976	-0.016742	-0.05874	-0.0312757
750531	249	55	-25.95	255.46	0.05602	0.02767		-0.05874	
750531	249	55	-26.48	255.15	0.05555	0.03053		-0.05874	
750531	249	55	-27.01	254.84	0.02555	0.04634		-0.05874	
750531	249	55	-27.54	254.53	0.02555	0.05076		-0.05874	
750531	249	55	-28.07	254.22	0.05522	0.06733		-0.05874	
750531	249	55	-28.60	253.91	0.06710	0.07745	-0.039155	-0.05874	-0.0279672
750531	249	55	-29.13	253.60	0.12287	0.08660		-0.05874	
750531	250	55	-29.66	253.29	0.17384	0.09446		-0.05874	
750531	250	55	-30.19	252.98	0.11325	0.10363		-0.05874	
750531	250	55	-30.72	252.67	0.13036	0.10364		-0.05874	
750531	250	55	-31.25	252.36	0.07467	0.10892		-0.05874	
750531	250	55	-31.78	252.05	0.03963	0.11876	-0.043084	-0.05874	0.114258
750531	251	55	-32.31	251.74	0.04209	0.11124		-0.05874	
750531	251	55	-32.84	251.43	0.21720	0.11052		-0.05874	
750531	251	55	-33.37	251.12	0.09835	0.10871		-0.05874	
750531	251	55	-33.90	250.81	0.14321	0.10592		-0.05874	
750531	251	55	-34.43	250.50	0.10995	0.10222		-0.05874	
750531	251	55	-34.96	250.19	0.09446	0.09774	-0.013774	-0.05874	0.244162
750531	251	55	-35.49	249.88	0.07478	0.09261		-0.05874	
750531	251	55	-36.02	249.57	0.06073	0.08696		-0.05874	
750531	251	55	-36.55	249.26	0.02413	0.08278		-0.05874	
750531	251	55	-37.08	248.95	0.04040	0.07409		-0.05874	
750531	251	55	-37.61	248.64	0.05777	0.06684		-0.05874	
750531	251	55	-38.14	248.33	0.06173	0.05895	-0.014264	-0.05874	0.346748
750531	251	55	-38.67	248.02	0.10146	0.05338		-0.05874	
750531	251	55	-39.20	247.71	0.11607	0.04116		-0.05874	
750531	251	55	-39.73	247.40	0.20593	0.03348		-0.05874	
750531	251	55	-40.26	247.09	0.04327	0.02158		-0.05874	
750531	251	55	-40.79	246.78	0.03829	0.01181		-0.05874	
750531	251	55	-41.32	246.47	0.01937	0.00254	0.013473	-0.05874	0.570321
750531	251	55	-41.85	246.16	0.05706	0.00588		-0.05874	
750531	251	55	-42.38	245.85	0.03784	0.01309		-0.05874	
750531	251	55	-42.91	245.54	0.05596	0.01399		-0.05874	
750531	251	55	-43.44	245.23	0.04456	0.02262		-0.05874	
750531	251	55	-43.97	244.92	0.05585	0.02717		-0.05874	
750531	251	55	-44.50	244.61	0.07010	0.03932	0.041263	-0.05874	0.146315
750531	251	55	-45.03	244.30	0.06606	0.03188		-0.05874	
750531	251	55	-45.56	243.99	0.12290	0.03362		-0.05874	
750531	251	55	-46.09	243.68	0.11867	0.03527		-0.05874	
750531	251	55	-46.62	243.37	0.39075	0.03716		-0.05874	
750531	251	55	-47.15	243.06	0.06047	0.03549		-0.05874	
750531	251	55	-47.68	242.75	0.06677	0.04229	0.025034	-0.05874	-0.0577532
750531	251	55	-48.21	242.44	0.03325	0.04554		-0.05874	
750531	251	55	-48.74	242.13	0.04452	0.04953		-0.05874	
750531	251	55	-49.27	241.82	0.08494	0.05237		-0.05874	
750531	251	55	-49.80	241.51	0.04238	0.05497		-0.05874	
750531	251	55	-50.33	241.20	0.18505	0.05624		-0.05874	
750531	251	55	-50.86	240.89	0.07060	0.05580	-0.004291	-0.05874	-0.0113833
750531	251	55	-51.39	240.58	0.22617	0.05338		-0.05874	
750531	251	55	-51.92	240.27	0.15145	0.04596		-0.05874	
750531	251	55	-52.45	239.96	0.01070	0.04257		-0.05874	
750531	251	55	-52.98	239.65	0.03585	0.03441		-0.05874	
750531	251	55	-53.51	239.34	0.04987	0.02503		-0.05874	
750531	251	55	-54.04	239.03	0.09291	0.01513		-0.05874	

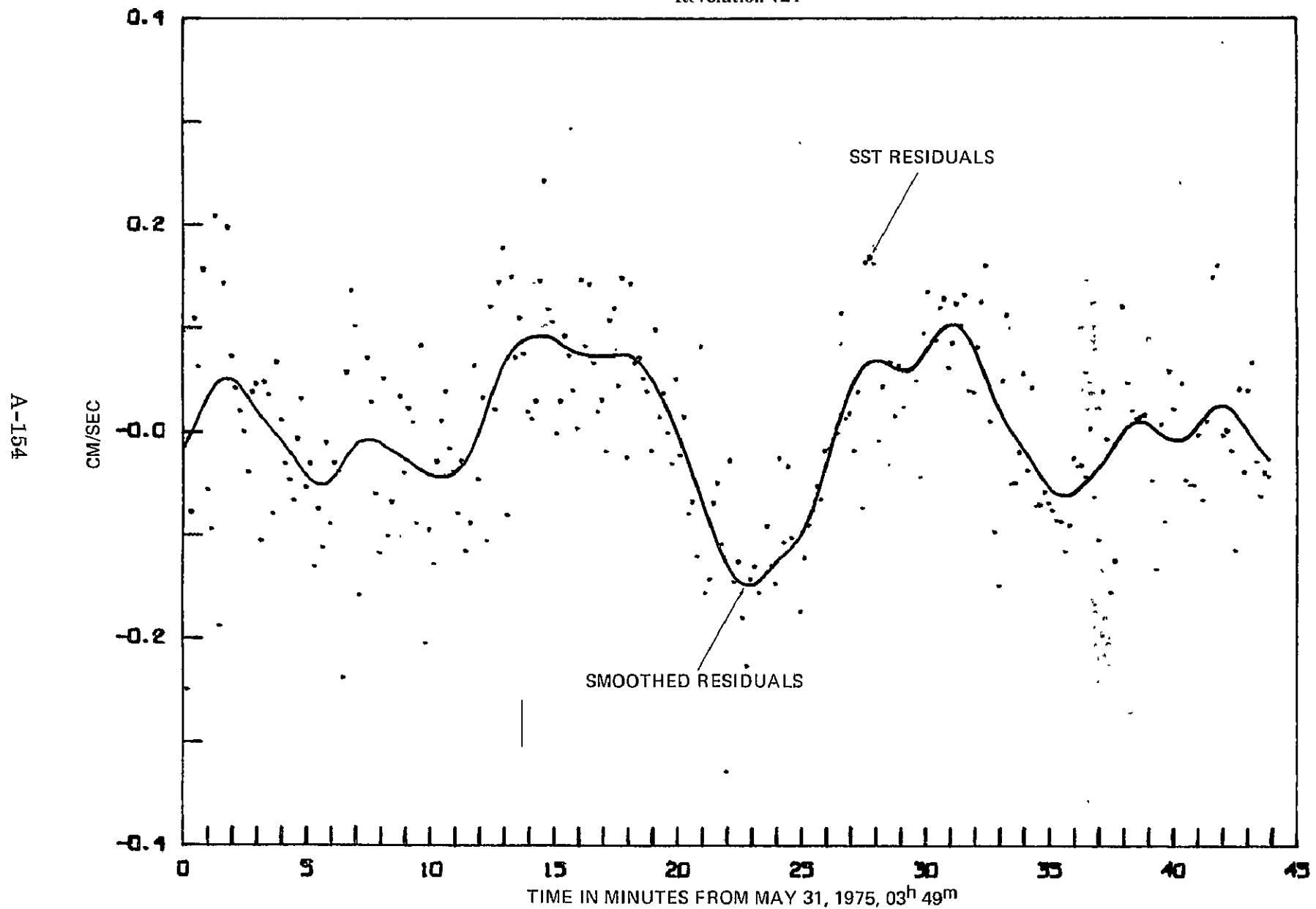


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GEOS-3 Revolution No. 724

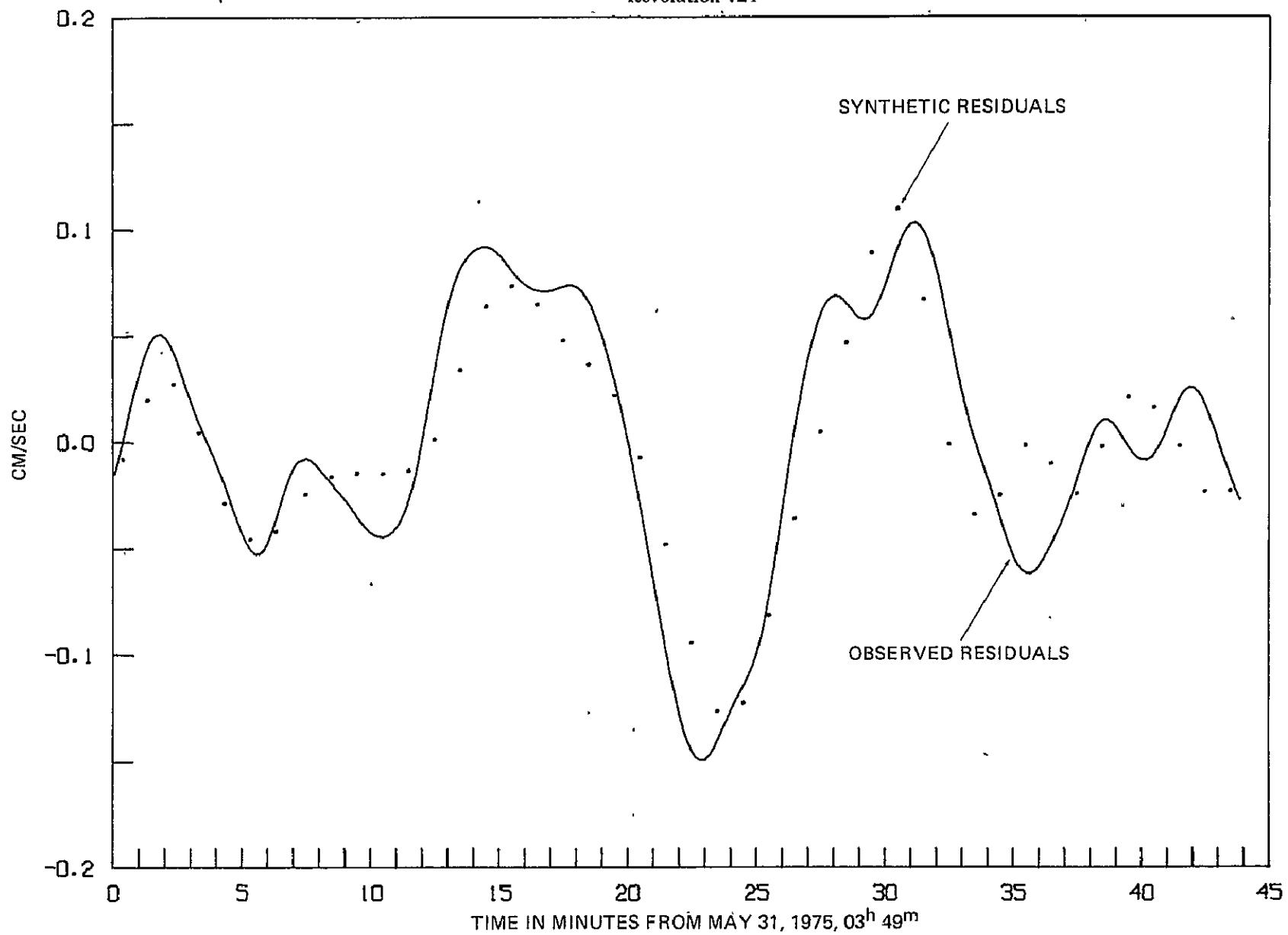
May 31, 1975, 3<sup>h</sup> 49<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 724



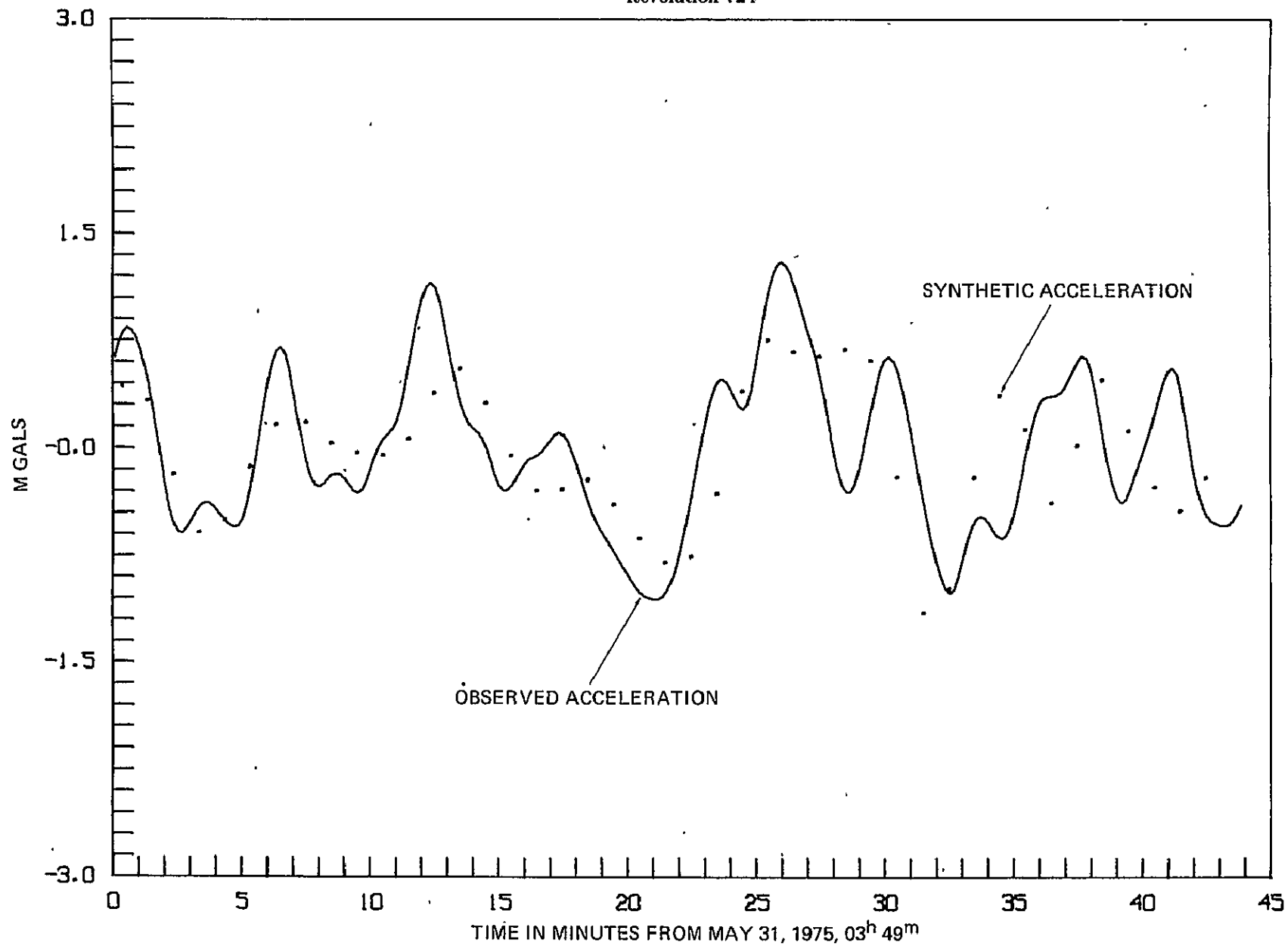
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 724

A-155

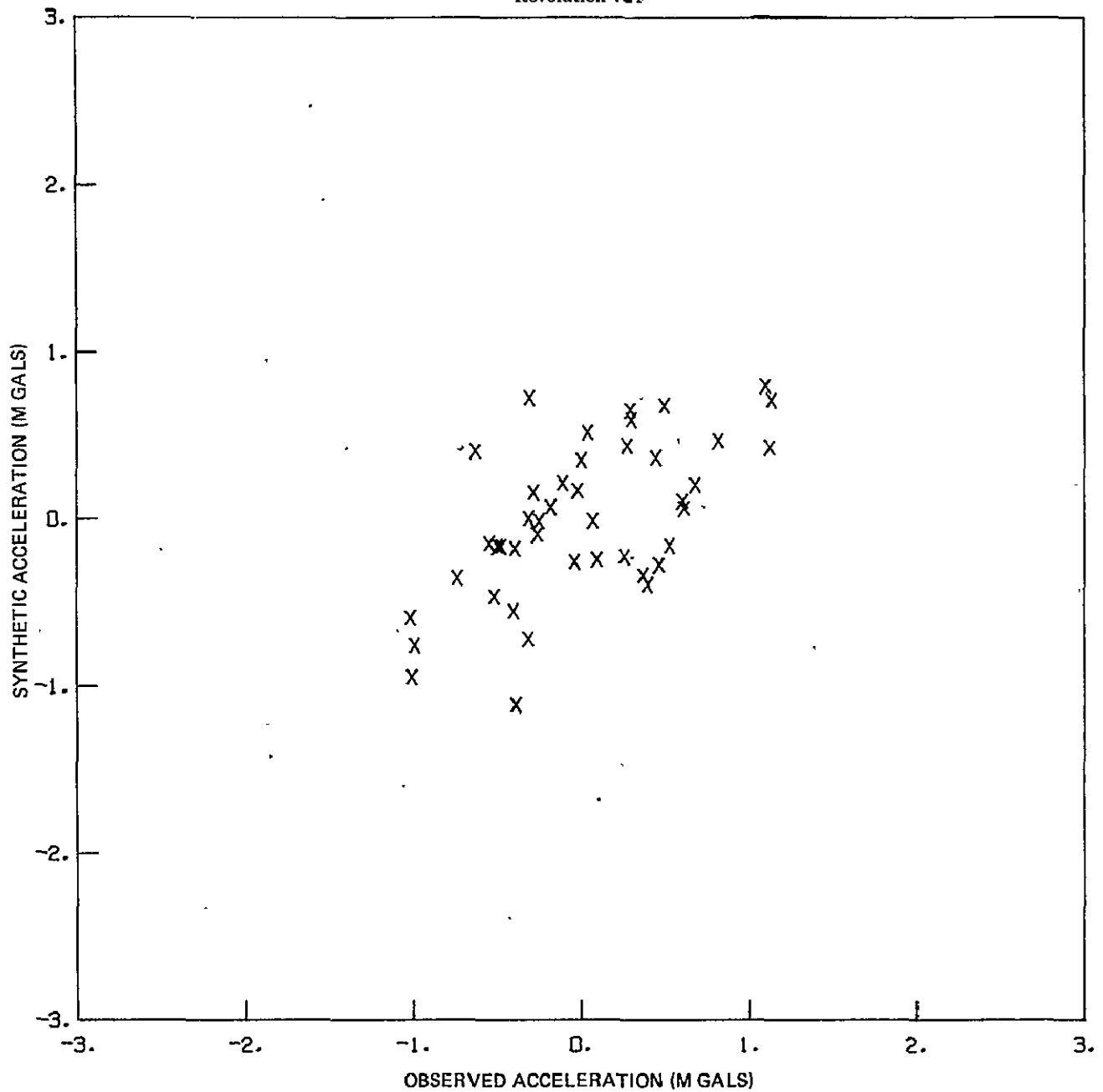


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 724

A-156



GEOS-3/ATS-6 SST Range Rate Residuals  
 Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
 Revolution 724



REVOLUTION 724

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750531	345	34.	54.56	31.63	0.13229	-0.01474		0.63690	
750531	350	4.	55.36	33.05	-0.24624	-0.00746		0.73992	
750531	350	14.	55.75	30.02	-0.07320	0.09053	-0.005404	0.81354	0.461800
750531	350	24.	55.14	29.19	0.11170	0.00898		0.93568	
750531	350	34.	55.53	28.54	0.06572	0.01743		0.82005	
750531	350	44.	55.90	27.48	0.16147	0.02588		0.76293	
750531	350	54.	57.23	26.50	-0.03264	0.03347		0.67690	
750531	351	4.	57.64	25.71	-0.09079	0.04011		0.56556	
750531	351	14.	58.00	24.83	0.21356	0.04836	0.022304	0.43792	0.363358
750531	351	24.	58.36	23.67	-0.10439	0.04908		0.27955	
750531	351	34.	58.71	22.52	0.14754	0.05082		0.09652	
750531	351	44.	59.05	21.55	0.20219	0.05071		-0.10392	
750531	351	54.	59.38	20.67	0.07613	0.04867		-0.29491	
750531	352	4.	59.71	19.66	0.04637	0.04545		-0.44868	
750531	352	14.	60.03	18.94	0.03328	0.04076	0.022533	-0.54914	-0.148384
750531	352	24.	60.35	17.90	0.02037	0.03521		-0.59347	
750531	352	34.	60.65	16.64	-0.03545	0.02925		-0.59714	
750531	352	44.	60.95	15.77	0.03413	0.02326		-0.55670	
750531	352	54.	61.24	14.67	0.05384	0.01756		-0.50284	
750531	353	4.	61.52	13.61	-0.13123	0.01224		-0.44771	
750531	353	14.	61.79	12.41	0.00225	0.00727	0.006637	-0.40365	-0.553171
750531	353	24.	62.06	11.26	0.03962	0.00260		-0.38087	
750531	353	34.	62.31	10.07	-0.07557	-0.00156		-0.38112	
750531	353	44.	62.56	8.89	0.07178	-0.00058		-0.47310	
750531	353	54.	62.79	7.64	0.15002	-0.01136		-0.44924	
750531	354	4.	63.02	6.45	-0.02656	-0.01646		-0.48129	
750531	354	14.	63.23	5.20	-0.04272	-0.02167	-0.026573	-0.51741	-0.464229
750531	354	24.	63.44	3.93	-0.04270	-0.02756		-0.54341	
750531	354	34.	63.63	2.65	-0.00195	-0.03138		-0.58472	
750531	354	44.	63.82	1.35	0.00334	-0.03902		-0.54272	
750531	354	54.	63.99	0.03	-0.04982	-0.04415		-0.49448	
750531	355	4.	64.15	358.70	-0.02551	-0.04641		-0.40053	
750531	355	14.	64.30	357.35	-0.12646	-0.05108	-0.043435	-0.25766	-0.093512
750531	355	24.	64.44	355.59	-0.06535	-0.05298		-0.09565	
750531	355	34.	64.57	354.42	-0.12811	-0.05276		-0.10589	
750531	355	44.	64.68	353.23	-0.03041	-0.05074		0.25406	
750531	355	54.	64.78	351.84	-0.03475	-0.04956		0.46175	
750531	356	4.	64.87	350.44	-0.02461	-0.04173		0.59446	
750531	356	14.	64.95	349.02	-0.03412	-0.03549	-0.039331	0.67343	0.200375
750531	356	24.	65.01	347.60	-0.02435	-0.02884		0.70354	
750531	356	34.	65.06	346.16	-0.02249	-0.02249		0.64937	
750531	356	44.	65.10	344.74	0.14166	-0.01686		0.52573	
750531	356	54.	65.13	343.31	0.15404	-0.01238		0.35057	
750531	357	4.	65.14	341.87	-0.15404	-0.00927		0.18654	
750531	357	14.	65.15	340.40	-0.07588	-0.00776	-0.022177	-0.11763	0.214158
750531	357	24.	65.16	338.97	-0.03365	-0.00493		-0.21329	
750531	357	34.	65.16	337.54	-0.15779	-0.01071		-0.26257	
750531	357	44.	65.01	336.11	-0.11347	-0.01403		-0.26576	
750531	357	54.	64.93	334.69	-0.05019	-0.01856		-0.24721	
750531	358	4.	64.87	333.23	-0.09835	-0.01914		-0.21244	
750531	358	14.	64.78	331.83	-0.18240	-0.02753	-0.014037	-0.13236	0.068927
750531	358	24.	64.66	329.47	-0.03377	-0.03035		-0.13732	
750531	358	34.	64.44	327.13	-0.03627	-0.02787		-0.22454	
750531	358	44.	64.30	324.86	0.02745	-0.03050		-0.26954	
750531	358	54.	64.15	322.62	0.11290	-0.03345		-0.30410	
750531	359	4.	63.98	320.39	-0.08454	-0.03643	-0.012324	-0.31294	0.092786
750531	359	14.	63.81	318.17	-0.25771	-0.03920		-0.25556	
750531	359	24.	63.63	315.97	-0.20112	-0.04152		-0.22199	
750531	359	34.	63.43	313.79	-0.08940	-0.04330		-0.13352	
750531	359	44.	63.23	311.64	-0.12134	-0.04443		-0.04434	
750531	359	54.	63.01	309.57	-0.22357	-0.04491		0.02574	
750531	360	4.	62.78	307.44	0.01550	-0.04472	-0.012680	0.06956	-0.012220
750531	360	14.	62.55	305.33	0.04344	-0.04367		0.09354	
750531	360	24.	62.30	303.24	-0.01212	-0.04232		0.13326	
750531	360	34.	62.05	301.16	-0.05450	-0.04000		0.15625	
750531	360	44.	61.78	299.11	-0.07526	-0.03669		0.29625	
750531	360	54.	61.51	297.07	-0.02337	-0.03215		0.43542	
750531	361	4.	61.23	295.06	-0.11140	-0.02615	-0.011197	0.60147	0.192328
750531	361	14.	60.94	293.05	-0.08305	-0.01861		0.77436	
750531	361	24.	60.64	291.08	0.06670	-0.00956		0.93099	
750531	361	34.	60.35	289.14	-0.04173	0.00086		1.05474	
750531	361	44.	60.02	287.23	0.03765	0.01225		1.13407	
750531	361	54.	59.70	285.35	-0.10155	0.02408		1.15881	
750531	362	4.	59.37	283.50	0.12567	0.03576	0.002717	1.12126	0.422832
750531	362	14.	59.04	281.68	0.02520	0.04684		1.02333	
750531	362	24.	58.69	279.91	0.14919	0.05686		0.87980	
750531	362	34.	58.35	278.17	0.18778	0.06555		0.71396	
750531	362	44.	57.99	276.54	-0.07675	0.07277		0.55218	
750531	362	54.	57.63	274.91	0.15481	0.07843		0.40056	
750531	363	4.	57.26	273.23	0.07512	0.08277	0.026510	0.29459	0.591692
750531	363	14.	56.89	271.55	0.11479	0.08604		0.21137	
750531	363	24.	56.51	269.85	0.07670	0.08851		0.15946	
750531	363	34.	56.13	268.15	0.02293	0.09033		0.13017	
750531	363	44.	55.74	266.44	0.01644	0.09154		0.10560	
750531	363	54.	55.35	264.71	0.03422	0.09212		0.07665	
750531	364	4.	54.95	263.00	0.10500	0.09200	0.066546	-0.00575	0.349400
750531	364	14.	54.55	261.28	0.24764	0.09120		-0.10039	
750531	364	24.	54.14	259.56	0.12201	0.08576		-0.15590	
750531	364	34.	53.73	257.80	0.11376	0.08771		-0.26515	
750531	364	44.	53.31	256.06	0.00241	0.08520		-0.29671	
750531	364	54.	52.89	254.33	0.03425	0.08245		-0.28676	
750531	365	4.	52.47	252.60	0.05719	0.07974	0.076052	-0.25400	-0.015047
750531	365	14.	52.04	250.88	0.07693	0.07733		-0.22490	
750531	365	24.	51.61	249.15	0.04357	0.07533		-0.15224	
750531	365	34.	51.18	247.43	0.03715	0.07372		-0.10651	
750531	365	44.	50.75	245.71	0.15139	0.07244		-0.07563	
750531	365	54.	50.33	243.99	0.08032	0.07161		-0.05811	
750531	366	4.	49.85	242.27	0.14752	0.07109	0.067144	-0.04387	-0.258315
750531	366	14.	49.40	240.55	0.07017	0.07051		-0.02136	
750531	366	24.	48.95	238.83	0.02456	0.07100		0.31494	
750531	366	34.	48.50	237.11	0.03555	0.07148		0.05892	
750531	366	44.	48.04	235.39	-0.01473	0.07212		0.09608	
750531	366	54.	47.58	233.67	0.11239	0.07263		0.11015	

REVOLUTION 724

OBSERVATION TIME			GEOS-3		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750531	4 7	25	47.14	276.56	0.12419	0.07148	0.000155	0.09235	-0.245946
750531	4 7	26	45.00	277.59	0.04355	0.07335		0.04441	
750531	4 7	27	46.19	277.43	0.15356	0.07355		0.07210	
750531	4 7	28	43.72	276.57	-0.02070	0.07270		0.11453	
750531	4 7	29	45.25	276.33	0.14768	0.07082		0.21023	
750531	4 7	30	44.78	276.79	0.06934	0.06801		0.30736	
750531	4 8	01	44.30	276.20	0.07531	0.06425	0.038721	0.39725	-0.179262
750531	4 8	02	43.82	274.74	0.05451	0.06564		0.47461	
750531	4 8	03	43.34	274.23	0.04262	0.06421		0.53856	
750531	4 8	04	42.86	273.72	-0.01426	0.06000		0.59253	
750531	4 8	05	42.38	273.22	0.10316	0.04124		0.64269	
750531	4 8	06	41.89	272.73	0.01822	0.03366		0.69241	
750531	4 8	07	41.41	272.24	0.04222	0.02592	0.023281	0.74138	-0.353909
750531	4 8	08	40.92	271.77	0.00308	0.01744		0.79146	
750531	4 8	09	40.44	271.29	-0.02659	0.00635		0.84181	
750531	4 8	10	39.93	270.83	0.03554	-0.00123		0.89355	
750531	4 8	11	39.44	270.37	0.01855	-0.01133		0.94384	
750531	4 8	12	38.94	269.91	0.01944	-0.02128		0.99720	
750531	4 8	13	38.45	269.45	-0.07439	-0.03281	-0.005054	1.05665	-0.592587
750531	4 8	14	37.95	269.02	-0.06155	-0.04407		1.04088	
750531	4 8	15	37.46	268.58	-0.11625	-0.06557		1.05406	
750531	4 8	16	36.96	268.15	0.02731	-0.06716		1.06091	
750531	4 11	30	36.44	267.72	-0.15140	-0.07865		1.05530	
750531	4 11	31	35.94	267.30	-0.13715	-0.08957		1.03475	
750531	4 11	32	35.44	266.88	-0.08368	-0.10055	-0.045553	0.98624	-0.758726
750531	4 11	33	34.93	266.47	-0.04410	-0.11132		0.93757	
750531	4 11	34	34.42	266.06	-0.10429	-0.12082		0.85359	
750531	4 11	35	33.91	265.66	-0.12235	-0.12925		0.74145	
750531	4 12	01	33.40	265.26	-0.02131	-0.13657		0.61747	
750531	4 12	02	32.89	264.86	-0.14033	-0.14238		0.48812	
750531	4 12	03	32.38	264.47	-0.12000	-0.14656	-0.092052	0.31468	-0.719131
750531	4 12	04	31.87	264.08	-0.17506	-0.14904		0.15205	
750531	4 12	05	31.35	263.70	-0.22221	-0.14987		0.01264	
750531	4 12	06	30.84	263.32	-0.13716	-0.14913		0.16554	
750531	4 13	01	30.32	262.94	-0.12457	-0.14696		0.25753	
750531	4 13	02	29.81	262.57	-0.15144	-0.14360		0.39201	
750531	4 13	03	29.29	262.20	-0.23320	-0.11942	-0.124206	0.45179	-0.277996
750531	4 13	04	28.77	261.83	-0.16545	-0.12445		0.48256	
750531	4 13	05	28.25	261.47	-0.12471	-0.13010		0.46131	
750531	4 13	06	27.73	261.11	-0.14285	-0.12572		0.42781	
750531	4 14	01	27.21	260.75	-0.01945	-0.12162		0.34259	
750531	4 14	02	26.69	260.40	-0.10275	-0.11774		0.24467	
750531	4 14	03	26.17	260.05	-0.02794	-0.11399	-0.120015	0.25755	0.435927
750531	4 14	04	25.64	259.70	-0.09813	-0.10653		0.21129	
750531	4 14	05	25.12	259.35	-0.22942	-0.10488		0.14956	
750531	4 14	06	24.60	259.01	-0.10655	-0.09779		0.05369	
750531	4 15	01	24.07	258.67	-0.11635	-0.09122		0.07523	
750531	4 15	02	23.55	258.33	-0.08455	-0.08200		0.04515	
750531	4 15	03	23.02	257.99	-0.06563	-0.07116	-0.072560	1.09921	0.792857
750531	4 15	04	22.49	257.66	-0.04623	-0.05802		1.21345	
750531	4 15	05	21.97	257.33	-0.03054	-0.04590		1.26258	
750531	4 15	06	21.44	257.00	-0.01125	-0.03227		1.30374	
750531	4 16	01	20.91	256.67	-0.01303	-0.01857		1.23046	
750531	4 16	02	20.38	256.34	-0.03108	-0.00521		1.21999	
750531	4 16	03	19.85	256.02	0.00445	0.00743	-0.033648	1.13194	0.707543
750531	4 16	04	19.32	255.70	0.11953	0.01929		1.02765	
750531	4 16	05	18.79	255.38	0.21712	0.03013		0.92108	
750531	4 16	06	18.26	255.06	0.22055	0.03955		0.82017	
750531	4 17	01	17.73	254.74	-0.01351	0.03437		0.72260	
750531	4 17	02	17.20	254.43	0.04392	0.03557		0.61725	
750531	4 17	03	16.67	254.11	-0.06883	0.03111	0.007081	0.45075	0.675330
750531	4 17	04	16.13	253.80	0.13574	0.03544		0.33435	
750531	4 17	05	15.60	253.49	0.17139	0.03757		0.15492	
750531	4 17	06	15.07	253.18	0.16048	0.03850		0.02214	
750531	4 18	01	14.54	252.87	-0.00425	0.03852		0.16331	
750531	4 18	02	14.00	252.57	0.04915	0.03682		0.26553	
750531	4 18	03	13.47	252.26	0.07150	0.03445	0.049192	0.36985	0.726116
750531	4 18	04	12.93	251.95	0.07181	0.03155		0.30117	
750531	4 18	05	12.40	251.65	0.01931	0.03555		0.24041	
750531	4 18	06	11.86	251.35	0.10889	0.03757		0.11327	
750531	4 19	01	11.33	251.05	0.12758	0.03740		0.00826	
750531	4 19	02	10.79	250.75	0.05423	0.03437		0.13368	
750531	4 19	03	10.26	250.45	0.06567	0.03670	0.091723	0.29086	0.648911
750531	4 19	04	9.72	250.15	0.06352	0.03444		0.43153	
750531	4 19	05	9.19	249.85	-0.03890	0.03635		0.54641	
750531	4 19	06	8.65	249.55	0.10031	0.03755		0.61819	
750531	4 20	01	8.11	249.26	0.14056	0.03820		0.63617	
750531	4 20	02	7.58	248.97	0.09111	0.03734		0.60187	
750531	4 20	03	7.04	248.67	0.09241	0.03698	0.112392	0.52284	-0.152999
750531	4 20	04	6.50	248.38	0.12453	0.03762		0.40807	
750531	4 20	05	5.97	248.09	0.15371	0.03813		0.26776	
750531	4 20	06	5.43	247.79	0.06529	0.03806		0.11193	
750531	4 21	01	4.89	247.50	0.09082	0.03826		0.03304	
750531	4 21	02	4.35	247.21	0.12853	0.03817		0.22228	
750531	4 21	03	3.82	246.92	0.10676	0.03837	0.069479	0.35227	-1.112258
750531	4 21	04	3.28	246.62	0.13701	0.03832		0.55386	
750531	4 21	05	2.74	246.33	0.16357	0.03668		0.69342	
750531	4 21	06	2.20	246.04	0.16216	0.03755		0.92172	
750531	4 22	01	1.67	245.75	0.08057	0.03633		0.92117	
750531	4 22	02	1.13	245.46	0.13055	0.03925		0.99380	
750531	4 22	03	0.59	245.17	0.16378	0.04056	0.001095	1.01409	-0.545815
750531	4 22	04	0.05	244.88	0.14118	0.03880		0.98067	
750531	4 22	05	-0.49	244.59	-0.09212	0.02913		0.89152	
750531	4 22	06	-1.02	244.30	-0.14465	0.02016		0.75564	
750531	4 23	01	-1.56	244.01	0.00454	0.01205		0.64975	
750531	4 23	02	-2.10	243.72	0.11607	0.00490		0.55590	
750531	4 23	03	-2.64	243.42	-0.03564	-0.00144	-0.031893	0.45052	-0.152966
750531	4 23	04	-3.17	243.13	-0.04442	-0.00732		0.47354	
750531	4 23	05	-3.71	242.84	-0.01332	-0.01203		0.42339	
750531	4 23	06	-4.25	242.55	-0.06151	-0.01656		0.52129	
750531	4 24	01	-4.79	242.26	-0.03324	-0.02504		0.57162	
750531	4 24	02	-5.34	241.97	0.04313	-0.03125		0.61437	

REVOLUTION 724

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750531	444	40.	-3.00	241.67	-0.06077	-0.06776	-0.022741	-0.63159	0.405494
750531	444	40.	-3.00	241.68	-0.06456	-0.04404		-0.61040	
750531	444	40.	-3.00	241.69	-0.05231	-0.04987		-0.54931	
750531	444	40.	-3.00	241.70	-0.04419	-0.04489		-0.44265	
750531	444	40.	-3.00	241.71	-0.03710	-0.03878		-0.31924	
750531	444	40.	-3.00	241.72	-0.03111	-0.03133		-0.17153	
750531	444	40.	-3.00	241.73	-0.02619	-0.02245	0.000629	-0.01595	0.166893
750531	444	40.	-3.00	241.74	-0.02162	-0.02219		0.11937	
750531	444	40.	-3.00	241.75	-0.01883	-0.02073		0.23155	
750531	444	40.	-3.00	241.76	-0.01673	-0.02330		0.30721	
750531	444	40.	-3.00	241.77	-0.01523	-0.02514		0.34713	
750531	444	40.	-3.00	241.78	-0.01427	-0.02613		0.36135	
750531	444	40.	-3.00	241.79	-0.01383	-0.02754	-0.0006110	0.36418	-0.341518
750531	444	40.	-3.00	241.80	-0.01383	-0.02853		0.36588	
750531	444	40.	-3.00	241.81	-0.01383	-0.02953		0.39741	
750531	444	40.	-3.00	241.82	-0.01383	-0.03053		0.43078	
750531	444	40.	-3.00	241.83	-0.01383	-0.03153		0.46892	
750531	444	40.	-3.00	241.84	-0.01383	-0.03253		0.55134	
750531	444	40.	-3.00	241.85	-0.01383	-0.03353	-0.002194	0.61157	0.059342
750531	444	40.	-3.00	241.86	-0.01383	-0.03453		0.64536	
750531	444	40.	-3.00	241.87	-0.01383	-0.03553		0.62458	
750531	444	40.	-3.00	241.88	-0.01383	-0.03653		0.63736	
750531	444	40.	-3.00	241.89	-0.01383	-0.03753		0.63405	
750531	444	40.	-3.00	241.90	-0.01383	-0.03853		0.61855	
750531	444	40.	-3.00	241.91	-0.01383	-0.03953	0.000667	0.63555	0.514983
750531	444	40.	-3.00	241.92	-0.01383	-0.04053		-0.13161	
750531	444	40.	-3.00	241.93	-0.01383	-0.04153		-0.26562	
750531	444	40.	-3.00	241.94	-0.01383	-0.04253		-0.35125	
750531	444	40.	-3.00	241.95	-0.01383	-0.04353		-0.37882	
750531	444	40.	-3.00	241.96	-0.01383	-0.04453		-0.35056	
750531	444	40.	-3.00	241.97	-0.01383	-0.04553	0.023342	-0.26534	0.157525
750531	444	40.	-3.00	241.98	-0.01383	-0.04653		-0.20256	
750531	444	40.	-3.00	241.99	-0.01383	-0.04753		-0.11722	
750531	444	40.	-3.00	242.00	-0.01383	-0.04853		-0.03401	
750531	444	40.	-3.00	242.01	-0.01383	-0.04953		0.05163	
750531	444	40.	-3.00	242.02	-0.01383	-0.05053		0.14665	
750531	444	40.	-3.00	242.03	-0.01383	-0.05153	0.015376	0.25316	-0.229635
750531	444	40.	-3.00	242.04	-0.01383	-0.05253		0.36557	
750531	444	40.	-3.00	242.05	-0.01383	-0.05353		0.46885	
750531	444	40.	-3.00	242.06	-0.01383	-0.05453		0.54022	
750531	444	40.	-3.00	242.07	-0.01383	-0.05553		0.55570	
750531	444	40.	-3.00	242.08	-0.01383	-0.05653		0.51224	
750531	444	40.	-3.00	242.09	-0.01383	-0.05753	0.000614	0.39384	-0.396283
750531	444	40.	-3.00	242.10	-0.01383	-0.05853		0.21777	
750531	444	40.	-3.00	242.11	-0.01383	-0.05953		0.01498	
750531	444	40.	-3.00	242.12	-0.01383	-0.06053		-0.17536	
750531	444	40.	-3.00	242.13	-0.01383	-0.06153		-0.32465	
750531	444	40.	-3.00	242.14	-0.01383	-0.06253	-0.021248	-0.42443	-0.165104
750531	444	40.	-3.00	242.15	-0.01383	-0.06353		-0.48784	
750531	444	40.	-3.00	242.16	-0.01383	-0.06453		-0.51386	
750531	444	40.	-3.00	242.17	-0.01383	-0.06553		-0.52891	
750531	444	40.	-3.00	242.18	-0.01383	-0.06653		-0.54341	
750531	444	40.	-3.00	242.19	-0.01383	-0.06753		-0.54384	
750531	444	40.	-3.00	242.20	-0.01383	-0.06853		-0.53331	
750531	444	40.	-3.00	242.21	-0.01383	-0.06953		-0.50275	
750531	444	40.	-3.00	242.22	-0.01383	-0.07053		-0.45387	
750531	444	40.	-3.00	242.23	-0.01383	-0.07153		-0.39181	

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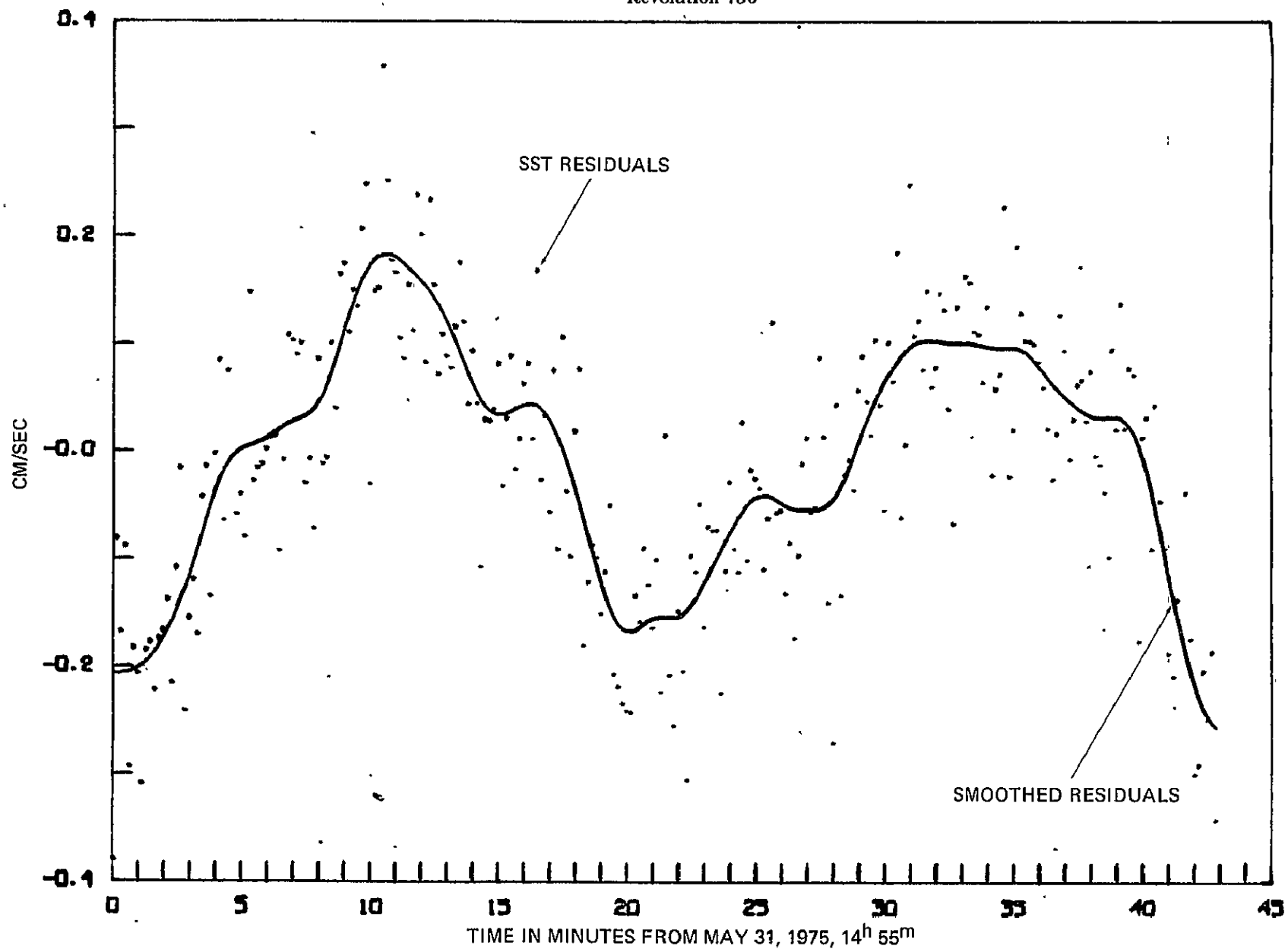


GEOS-3 Revolution No. 730

May 31, 1975, 14<sup>h</sup> 55<sup>m</sup>

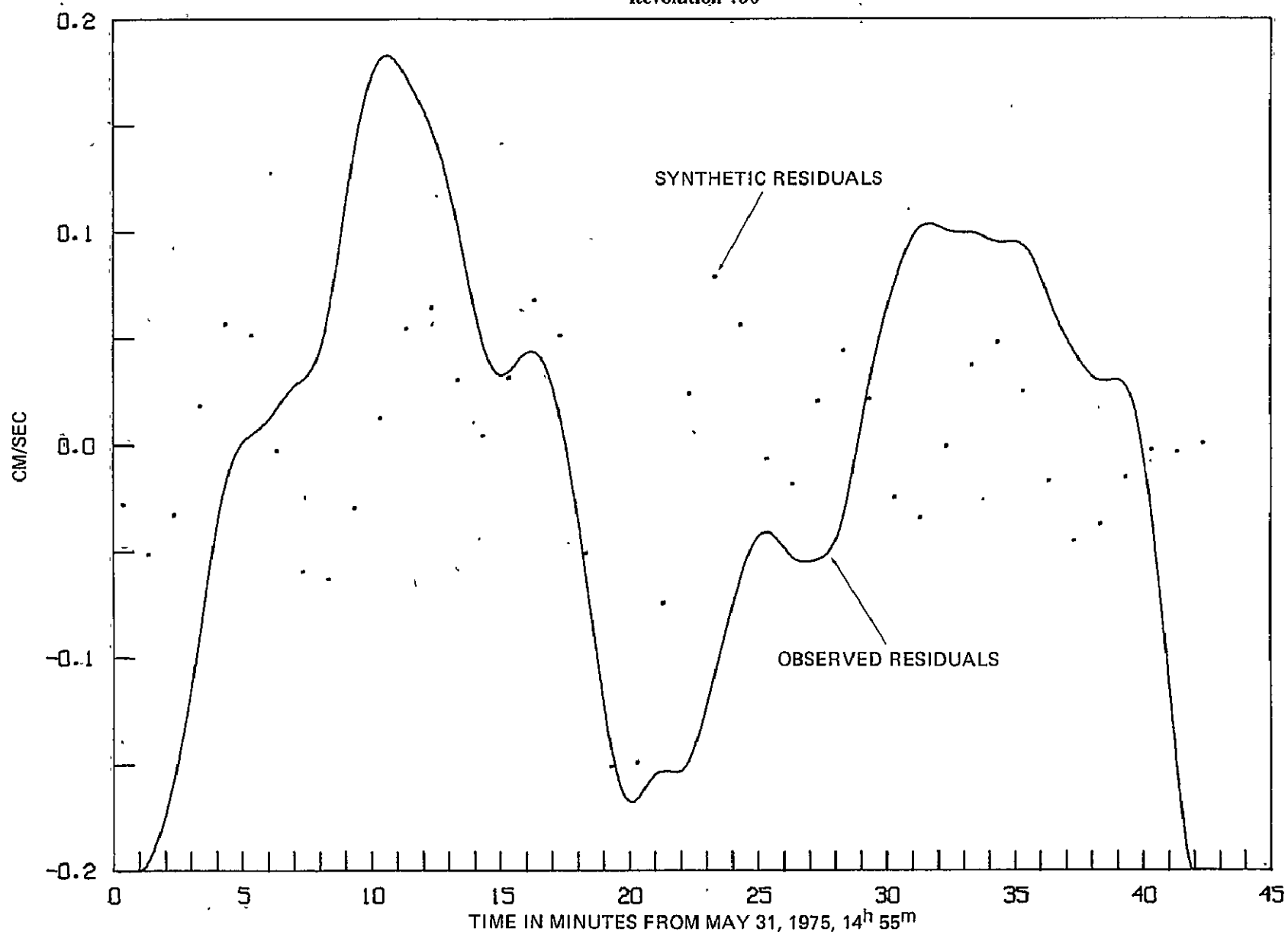
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 730

A-162.



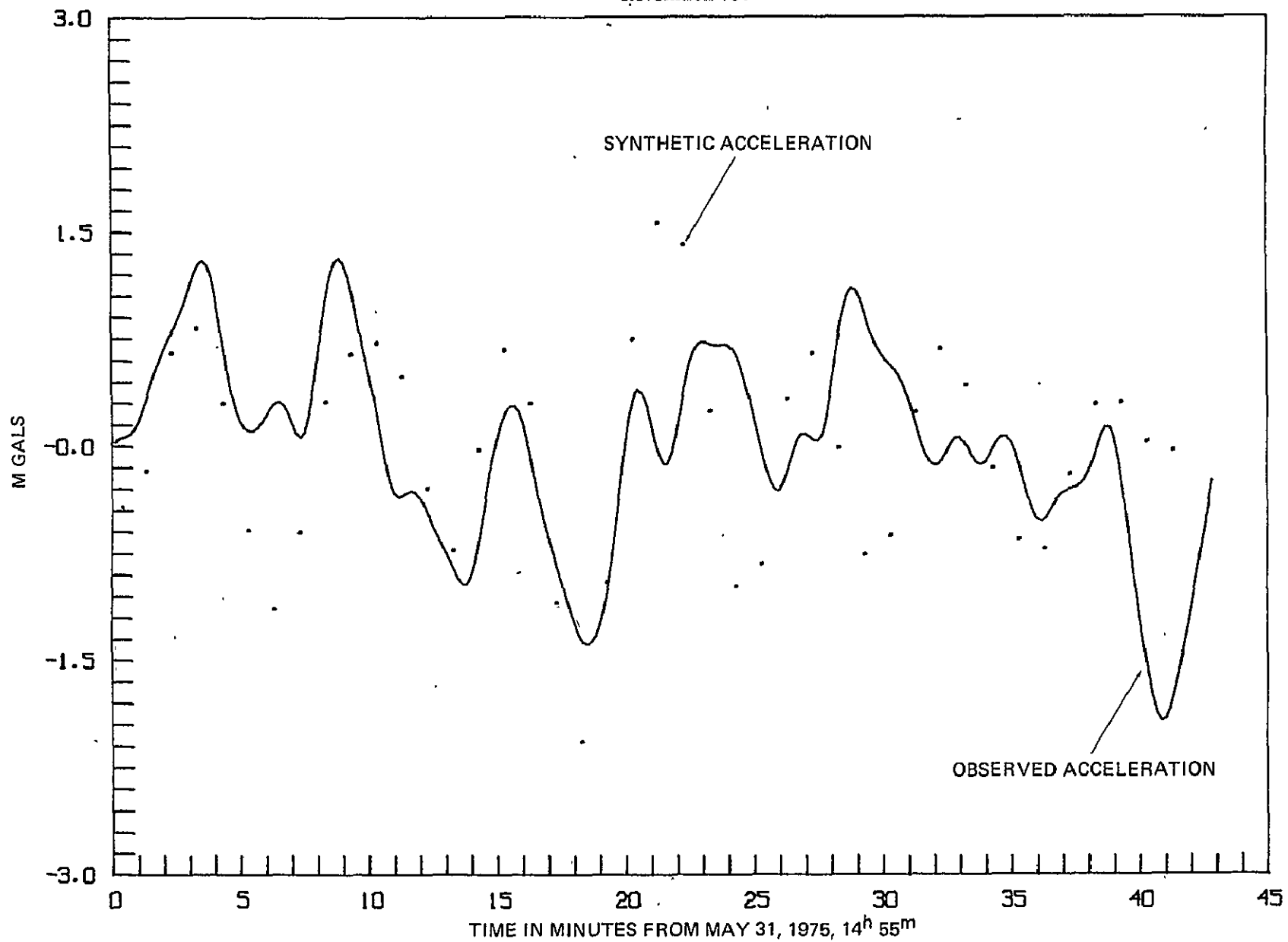
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 730

A-163

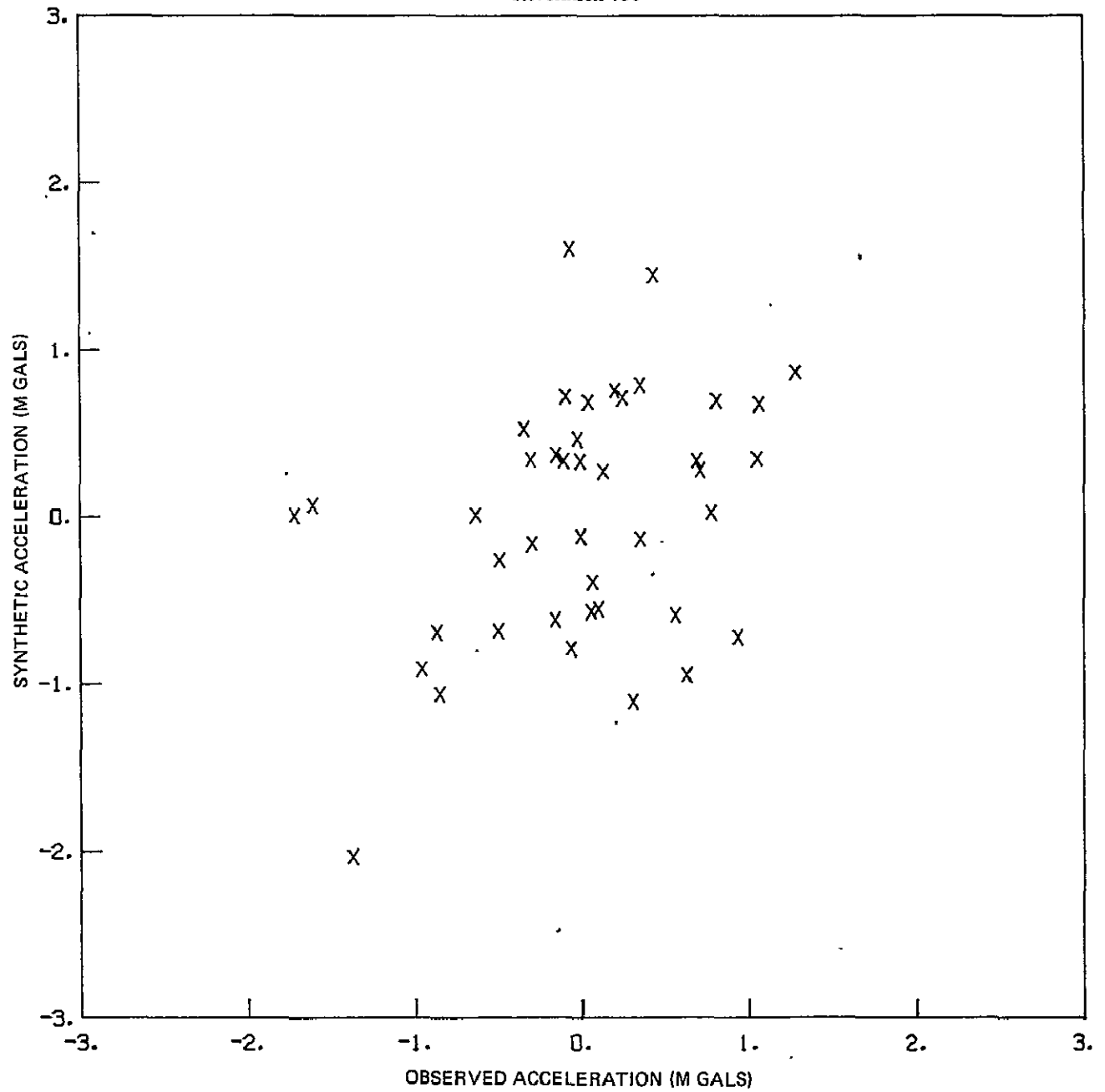


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 730

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GEOS-3/ATS-6 SST Range Rate Residuals  
 Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
 Revolution 730



# REVOLUTION 730

OBSERVATION TIME			GEOS-3		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750531	1455	34.	-13.47	20.26	-0.37592	-0.20050	/	0.71565	
750531	1455	4.	-13.45	19.09	-0.07665	-0.20444		0.25092	
750531	1456	14.	-13.67	17.61	-0.16357	-0.20357	-0.025407	0.06266	-0.393183
750531	1456	24.	-13.61	16.51	-0.02440	-0.20555		0.07021	
750531	1456	34.	-13.02	15.19	-0.23577	-0.20455		0.27590	
750531	1456	44.	-14.15	11.66	-0.17777	-0.20305		0.12323	
750531	1456	54.	-14.33	16.51	-0.20277	-0.20051		0.13236	
750531	1457	4.	-14.46	11.15	-0.30517	-0.10111		0.25985	
750531	1457	14.	-14.55	5.70	-0.17537	-0.15453	-0.049058	0.33041	-0.135242
750531	1457	24.	-14.70	8.39	-0.17219	-0.15015		0.44423	
750531	1457	34.	-14.80	7.00	-0.21809	-0.10483		0.51450	
750531	1457	44.	-14.88	5.53	-0.16873	-0.17865		0.61365	
750531	1457	54.	-14.96	4.18	-0.16164	-0.17162		0.63333	
750531	1458	4.	-15.02	2.76	-0.13257	-0.16320		0.74513	
750531	1458	14.	-15.07	1.54	-0.21105	-0.15522	-0.030317	0.80453	0.691651
750531	1458	24.	-15.11	0.51	-0.10326	-0.14551		0.86617	
750531	1458	34.	-15.13	0.47	-0.31130	-0.13575		0.93055	
750531	1458	44.	-15.14	0.04	-0.23713	-0.12467		1.02256	
750531	1458	54.	-15.14	0.00	-0.14721	-0.11270		1.11984	
750531	1459	4.	-15.12	0.17	-0.11473	-0.10009		1.21155	
750531	1459	14.	-15.10	0.74	-0.16573	-0.08652	0.010043	1.27790	0.563387
750531	1459	24.	-15.06	1.51	-0.03773	-0.07330		1.33045	
750531	1459	34.	-15.00	3.45	-0.03332	-0.05590		1.25372	
750531	1459	44.	-14.93	5.46	-0.13335	-0.04711		1.18233	
750531	1459	54.	-14.85	7.47	-0.00270	-0.03540		1.04610	
750531	1500	4.	-14.76	9.46	-0.03361	-0.02225		0.87135	
750531	1500	14.	-14.67	11.46	-0.01671	-0.01671	0.059276	0.55113	0.133248
750531	1500	24.	-14.54	13.46	-0.07354	-0.00991		0.45392	
750531	1500	34.	-14.42	15.41	-0.00143	-0.00472		0.34452	
750531	1500	44.	-14.35	17.40	-0.03052	-0.00052		0.23079	
750531	1500	54.	-14.12	19.40	-0.03485	-0.01177		0.15725	
750531	1501	4.	-13.55	21.45	-0.07533	-0.00303		0.11734	
750531	1501	14.	-13.76	23.47	-0.15153	-0.00313	0.053724	0.75553	-0.551519
750531	1501	24.	-13.69	25.48	-0.02303	-0.00630		0.10333	
750531	1501	34.	-13.40	27.40	-0.01354	-0.00555		0.12990	
750531	1501	44.	-13.20	29.42	-0.00605	-0.00510		0.17234	
750531	1501	54.	-13.02	31.40	-0.00653	-0.01220		0.22154	
750531	1502	4.	-12.79	33.45	-0.11603	-0.01405		0.25641	
750531	1502	14.	-12.53	35.46	-0.01774	-0.01778	-0.000308	0.30178	-1.106729
750531	1502	24.	-12.27	37.47	-0.04843	-0.02173		0.31165	
750531	1502	34.	-12.01	39.40	-0.00324	-0.02353		0.23829	
750531	1502	44.	-11.75	41.42	-0.11356	-0.02554		0.22050	
750531	1502	54.	-11.47	43.43	-0.03735	-0.02764		0.14307	
750531	1503	4.	-11.19	45.40	-0.03403	-0.02861		0.08305	
750531	1503	14.	-10.90	47.41	-0.10447	-0.03121	-0.057151	0.05507	-0.556909
750531	1503	24.	-10.63	49.42	-0.02575	-0.03316		0.09901	
750531	1503	34.	-10.29	51.43	-0.00339	-0.03555		0.21517	
750531	1503	44.	-9.96	53.44	-0.30744	-0.04011		0.35535	
750531	1503	54.	-9.60	55.45	-0.09104	-0.04004		0.61725	
750531	1504	4.	-9.33	57.46	-0.00801	-0.05401		0.84157	
750531	1504	14.	-8.99	59.46	-0.00135	-0.05390	-0.060864	1.04564	0.345167
750531	1504	24.	-8.68	61.47	-0.10637	-0.07864		1.20203	
750531	1504	34.	-8.30	63.48	-0.04363	-0.08834		1.29346	
750531	1504	44.	-7.94	65.49	-0.16566	-0.10177		1.31547	
750531	1504	54.	-7.59	67.50	-0.17951	-0.11546		1.27292	
750531	1505	4.	-7.21	69.51	-0.11458	-0.12827		1.14227	
750531	1505	14.	-6.84	71.52	-0.15153	-0.14032	-0.027246	1.06505	0.675573
750531	1505	24.	-6.45	73.53	-0.13953	-0.15110		0.91551	
750531	1505	34.	-6.06	75.54	-0.21226	-0.16043		0.77251	
750531	1505	44.	-5.67	77.55	-0.20329	-0.16866		0.62743	
750531	1505	54.	-5.30	79.56	-0.02651	-0.17451		0.44020	
750531	1506	4.	-4.93	81.57	-0.15416	-0.17501		0.34911	
750531	1506	14.	-4.54	83.58	-0.13721	-0.18177	0.015224	0.14454	0.755170
750531	1506	24.	-4.15	85.59	-0.16077	-0.18290		0.02473	
750531	1506	34.	-3.76	87.60	-0.23530	-0.18262		-0.13415	
750531	1506	44.	-3.37	89.61	-0.18120	-0.18104		-0.26121	
750531	1506	54.	-2.98	91.62	-0.17004	-0.17550		-0.33755	
750531	1507	4.	-2.61	93.63	-0.13229	-0.17530		-0.36161	
750531	1507	14.	-2.21	95.64	-0.09217	-0.17172	0.057217	-0.35071	0.522893
750531	1507	24.	-1.83	97.65	-0.15471	-0.16602		-0.32672	
750531	1507	34.	-1.44	99.66	-0.11046	-0.16415		-0.21456	
750531	1507	44.	-1.05	101.67	-0.21316	-0.16032		-0.32774	
750531	1507	54.	-0.66	103.68	-0.20023	-0.15503		-0.36777	
750531	1508	4.	-0.27	105.69	-0.08653	-0.15143		-0.42674	
750531	1508	14.	-0.14	107.70	-0.23372	-0.14642	0.067024	-0.49547	-0.261270
750531	1508	24.	-0.25	109.71	-0.15641	-0.14039		-0.55778	
750531	1508	34.	-0.44	111.72	-0.07588	-0.13387		-0.63247	
750531	1508	44.	-0.74	113.73	-0.11411	-0.12551		-0.69959	
750531	1508	54.	-1.15	115.74	-0.09203	-0.11852		-0.74745	
750531	1509	4.	-1.56	117.75	-0.08185	-0.10959		-0.80304	
750531	1509	14.	-1.97	119.76	-0.10052	-0.10043	0.032997	-0.87251	-0.651239
750531	1509	24.	-2.38	121.77	-0.11500	-0.09251		-0.93354	
750531	1509	34.	-2.79	123.78	-0.12416	-0.08074		-0.97318	
750531	1509	44.	-3.19	125.79	-0.04301	-0.07073		-0.96880	
750531	1509	54.	-3.59	127.80	-0.02663	-0.06115		-0.91131	
750531	1510	4.	-3.99	129.81	-0.04355	-0.05249		-0.79707	
750531	1510	14.	-4.39	131.82	-0.10310	-0.04514	0.006661	-0.63434	0.009977
750531	1510	24.	-4.79	133.83	-0.03407	-0.03933		-0.44566	
750531	1510	34.	-5.19	135.84	-0.02221	-0.03568		-0.25344	
750531	1510	44.	-5.59	137.85	-0.04355	-0.03303		-0.08735	
750531	1510	54.	-5.99	139.86	-0.06671	-0.03242		-0.05530	
750531	1511	4.	-6.39	141.87	-0.09837	-0.03115		-0.16315	
750531	1511	14.	-6.79	143.88	-0.13501	-0.03430	0.034131	-0.24419	0.711295
750531	1511	24.	-7.19	145.89	-0.09357	-0.03722		-0.23075	
750531	1511	34.	-7.59	147.90	-0.01857	-0.03572		-0.27450	
750531	1511	44.	-7.99	149.91	-0.01857	-0.04155		-0.23277	
750531	1511	54.	-8.39	151.92	-0.06784	-0.04340		-0.14455	
750531	1512	4.	-8.79	153.93	-0.08722	-0.04404	0.072466	-0.22735	0.231972
750531	1512	14.	-9.19	155.94	-0.11552	-0.04335		-0.11304	
750531	1512	24.	-9.59	157.95	-0.17321	-0.04124		-0.06424	
750531	1512	34.	-9.99	159.96	-0.22378	-0.03771		-0.04026	
750531	1512	44.	-10.39	161.97	-0.23201	-0.03271		-0.05797	
750531	1512	54.	-10.79	163.98	-0.25210	-0.02632		-0.05120	
750531	1513	4.	-11.19	165.99	-0.26057	-0.01662		-0.07547	

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REVOLUTION 730

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750331	1513	15.	-14.05	221.20	-0.00530	0.00570	0.00570	-0.85713	-1.060329
750331	1513	25.	-14.34	221.29	0.01171	-0.00039	-0.00039	-0.96330	-0.96330
750331	1513	35.	-13.63	220.58	-0.03357	-0.01156	-0.01156	-1.26405	-1.26405
750331	1513	45.	-13.32	220.56	-0.03334	-0.00580	-0.00580	-1.16377	-1.16377
750331	1513	55.	-12.61	220.19	0.02337	-0.01704	-0.01704	-1.25620	-1.25620
750331	1514	00.	-12.30	220.20	0.02122	-0.00104	-0.00104	-1.33121	-1.33121
750331	1514	10.	-11.78	220.41	-0.01763	-0.00555	-0.00555	-1.33996	-2.033648
750331	1514	20.	-11.27	220.63	-0.01601	-0.00040	-0.00040	-1.35326	-1.35326
750331	1514	30.	-10.75	220.85	-0.00898	-0.00526	-0.00526	-1.37329	-1.37329
750331	1514	40.	-10.24	221.07	-0.00934	-0.01472	-0.01472	-1.32272	-1.32272
750331	1514	50.	-9.72	221.29	-0.01408	-0.01400	-0.01400	-1.23972	-1.23972
750331	1515	00.	-9.20	221.53	-0.01002	-0.01591	-0.01591	-1.12086	-1.12086
750331	1515	10.	-8.68	221.76	-0.00420	-0.01679	-0.01679	-0.96108	-0.911197
750331	1515	20.	-8.16	222.00	-0.00772	-0.01504	-0.01504	-0.75335	-0.75335
750331	1515	30.	-7.64	222.24	-0.00544	-0.01354	-0.01354	-0.50920	-0.50920
750331	1515	40.	-7.12	222.48	-0.00365	-0.01204	-0.01204	-0.24395	-0.24395
750331	1515	50.	-6.60	222.72	-0.00178	-0.01054	-0.01054	0.00883	0.00883
750331	1516	00.	-6.07	222.97	-0.00047	-0.00904	-0.00904	0.21526	0.21526
750331	1516	10.	-5.55	223.21	-0.00333	-0.00754	-0.00754	0.34400	0.785390
750331	1516	20.	-5.03	223.45	-0.00133	-0.00604	-0.00604	0.33976	0.33976
750331	1516	30.	-4.51	223.69	-0.00068	-0.00454	-0.00454	0.36355	0.36355
750331	1516	40.	-3.99	223.93	-0.00146	-0.00304	-0.00304	0.27300	0.27300
750331	1516	50.	-3.47	224.17	-0.00113	-0.00154	-0.00154	0.15155	0.15155
750331	1517	00.	-2.95	224.41	-0.00336	-0.00004	-0.00004	0.02730	0.02730
750331	1517	10.	-2.43	224.65	-0.00920	-0.00330	-0.00330	-0.07353	1.602070
750331	1517	20.	-1.91	224.89	-0.01974	-0.00184	-0.00184	-0.12927	-0.12927
750331	1517	30.	-1.39	225.13	-0.03013	-0.00336	-0.00336	-0.12120	-0.12120
750331	1517	40.	-0.87	225.37	-0.03037	-0.00184	-0.00184	-0.04325	-0.04325
750331	1517	50.	-0.35	225.61	-0.04271	-0.00102	-0.00102	0.09126	0.09126
750331	1518	00.	-0.19	225.85	-0.01974	-0.00004	-0.00004	0.25216	0.25216
750331	1518	10.	-0.61	226.09	-0.03000	-0.00170	-0.00170	0.42832	1.445765
750331	1518	20.	-1.03	226.33	-0.03914	-0.00026	-0.00026	0.57078	0.57078
750331	1518	30.	-1.45	226.57	-0.01071	-0.00361	-0.00361	0.66635	0.66635
750331	1518	40.	-1.87	226.81	-0.03415	-0.00291	-0.00291	0.71453	0.71453
750331	1518	50.	-2.29	227.05	-0.01552	-0.00155	-0.00155	0.72719	0.72719
750331	1519	00.	-2.71	227.29	-0.00415	-0.00014	-0.00014	0.71941	0.71941
750331	1519	10.	-3.13	227.53	-0.00366	-0.00354	-0.00354	0.73565	0.276372
750331	1519	20.	-3.55	227.77	-0.00818	-0.00792	-0.00792	0.69846	0.69846
750331	1519	30.	-3.97	228.01	-0.01960	-0.00500	-0.00500	0.70214	0.70214
750331	1519	40.	-4.39	228.25	-0.01054	-0.00322	-0.00322	0.73807	0.73807
750331	1519	50.	-4.81	228.49	-0.00232	-0.00177	-0.00177	0.72222	0.72222
750331	1520	00.	-5.23	228.73	-0.00816	-0.00074	-0.00074	0.67613	-0.67613
750331	1520	10.	-5.65	228.97	-0.01074	-0.00007	-0.00007	0.62529	-0.946096
750331	1520	20.	-6.07	229.21	-0.00545	-0.00045	-0.00045	0.54674	0.54674
750331	1520	30.	-6.49	229.45	-0.00367	-0.00441	-0.00441	0.44348	0.44348
750331	1520	40.	-6.91	229.69	-0.01242	-0.00450	-0.00450	0.32201	0.32201
750331	1520	50.	-7.33	229.93	-0.03129	-0.00265	-0.00265	0.18990	0.18990
750331	1521	00.	-7.75	230.17	-0.01302	-0.00123	-0.00123	0.05658	-0.789424
750331	1521	10.	-8.17	230.41	-0.01527	-0.00112	-0.00112	-0.06888	-0.06888
750331	1521	20.	-8.59	230.65	-0.03696	-0.00224	-0.00224	-0.17895	-0.17895
750331	1521	30.	-9.01	230.89	-0.01237	-0.00447	-0.00447	-0.25777	-0.25777
750331	1521	40.	-9.43	231.13	-0.00327	-0.00467	-0.00467	-0.31564	-0.31564
750331	1521	50.	-9.85	231.37	-0.00452	-0.00494	-0.00494	-0.31258	-0.31258
750331	1522	00.	-10.27	231.61	-0.01279	-0.00518	-0.00518	-0.25273	-0.25273
750331	1522	10.	-10.69	231.85	-0.00768	-0.00380	-0.00380	-0.15941	0.268742
750331	1522	20.	-11.11	232.09	-0.01068	-0.00503	-0.00503	-0.05376	-0.05376
750331	1522	30.	-11.53	232.33	-0.00910	-0.00356	-0.00356	0.03254	0.03254
750331	1522	40.	-11.95	232.57	-0.00621	-0.00552	-0.00552	0.07957	0.07957
750331	1522	50.	-12.37	232.81	-0.00176	-0.00382	-0.00382	0.06480	0.06480
750331	1523	00.	-12.79	233.05	-0.00221	-0.00406	-0.00406	0.06229	0.06229
750331	1523	10.	-13.21	233.29	-0.00349	-0.00352	-0.00352	0.03712	0.03712
750331	1523	20.	-13.63	233.53	-0.00556	-0.00557	-0.00557	0.03335	0.03335
750331	1523	30.	-14.05	233.77	-0.01193	-0.00815	-0.00815	0.07963	0.07963
750331	1523	40.	-14.47	234.01	-0.01355	-0.00440	-0.00440	0.19436	0.19436
750331	1523	50.	-14.89	234.25	-0.02557	-0.00319	-0.00319	0.37324	0.37324
750331	1524	00.	-15.31	234.49	-0.03486	-0.00390	-0.00390	0.57553	0.57553
750331	1524	10.	-15.73	234.73	-0.01293	-0.00322	-0.00322	0.77553	0.77553
750331	1524	20.	-16.15	234.97	-0.01708	-0.00217	-0.00217	0.94227	0.94227
750331	1524	30.	-16.57	235.21	-0.00272	-0.00132	-0.00132	1.05460	1.05460
750331	1524	40.	-17.00	235.45	-0.00315	-0.00066	-0.00066	1.10313	1.10313
750331	1524	50.	-17.42	235.69	-0.00314	-0.00065	-0.00065	1.08991	1.08991
750331	1525	00.	-17.84	235.93	-0.00354	-0.00157	-0.00157	1.02430	1.02430
750331	1525	10.	-18.26	236.17	-0.00353	-0.00233	-0.00233	0.92107	-0.722562
750331	1525	20.	-18.68	236.41	-0.00190	-0.00401	-0.00401	0.83142	0.83142
750331	1525	30.	-19.10	236.65	-0.00336	-0.00595	-0.00595	0.74156	0.74156
750331	1525	40.	-19.52	236.89	-0.00732	-0.00722	-0.00722	0.67166	0.67166
750331	1525	50.	-19.94	237.13	-0.00473	-0.00460	-0.00460	0.62400	0.62400
750331	1526	00.	-20.36	237.37	-0.00687	-0.00147	-0.00147	0.56991	0.56991
750331	1526	10.	-20.78	237.61	-0.00545	-0.00771	-0.00771	0.55869	-0.589107
750331	1526	20.	-21.20	237.85	-0.00700	-0.00373	-0.00373	0.52427	0.52427
750331	1526	30.	-21.62	238.09	-0.00727	-0.00319	-0.00319	0.48375	0.48375
750331	1526	40.	-22.04	238.33	-0.01137	-0.00364	-0.00364	0.42503	0.42503
750331	1526	50.	-22.46	238.57	-0.01335	-0.00370	-0.00370	0.34105	0.34105
750331	1527	00.	-22.88	238.81	-0.01163	-0.00603	-0.00603	0.23563	0.23563
750331	1527	10.	-23.30	239.05	-0.00702	-0.00270	-0.00270	0.12444	0.12444
750331	1527	20.	-23.72	239.29	-0.00802	-0.00373	-0.00373	0.01215	0.01215
750331	1527	30.	-24.14	239.53	-0.01447	-0.00387	-0.00387	-0.06020	-0.06020
750331	1527	40.	-24.56	239.77	-0.00441	-0.00334	-0.00334	-0.11480	-0.11480
750331	1527	50.	-24.98	240.01	-0.00834	-0.00233	-0.00233	-0.13341	-0.13341
750331	1528	00.	-25.40	240.25	-0.01154	-0.00130	-0.00130	-0.13260	-0.13260
750331	1528	10.	-25.82	240.49	-0.01350	-0.00036	-0.00036	-0.25972	0.717529
750331	1528	20.	-26.24	240.73	-0.00436	-0.00000	-0.00000	-0.44555	-0.44555
750331	1528	30.	-26.66	240.97	-0.00324	-0.00353	-0.00353	-0.71402	-0.71402
750331	1528	40.	-27.08	241.21	-0.01390	-0.00547	-0.00547	-0.05463	-0.05463
750331	1528	50.	-27.50	241.45	-0.01047	-0.00554	-0.00554	0.35919	0.35919
750331	1529	00.	-27.92	241.69	-0.00815	-0.00350	-0.00350	0.02710	0.02710
750331	1529	10.	-28.34	241.93	-0.01012	-0.00937	-0.00937	-0.02775	0.460856
750331	1529	20.	-28.76	242.17	-0.01126	-0.00887	-0.00887	-0.28481	-0.28481
750331	1529	30.	-29.18	242.41	-0.01167	-0.00904	-0.00904	-0.12433	-0.12433
750331	1529	40.	-29.60	242.65	-0.00815	-0.00711	-0.00711	-0.13441	-0.13441
750331	1529	50.	-30.02	242.89	-0.01397	-0.00616	-0.00616	-0.11243	-0.11243
750331	1530	00.	-30.44	243.13	-0.01205	-0.00545	-0.00545	-0.26477	-0.26477

REVOLUTION 730

OBSERVATION TIME			GEO-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750531	1530	10	19.42	249.34	0.06333	0.06504	0.050570	-0.06657	-0.120192
750531	1530	20	19.55	249.02	0.07712	0.06501		0.04070	
750531	1530	30	20.40	248.77	0.03225	0.06519		0.06444	
750531	1530	40	21.01	248.57	-0.01904	0.06545		0.05963	
750531	1530	50	21.53	248.04	0.02495	0.06537		0.02206	
750531	1531	00	22.00	247.71	0.12646	0.06466		-0.06330	
750531	1531	10	22.59	247.34	0.13266	0.06312	0.027191	-0.15924	-0.617341
750531	1531	20	23.12	247.04	0.10707	0.06072		-0.27747	
750531	1531	30	23.65	246.71	0.10706	0.06727		-0.38326	
750531	1531	40	24.17	246.37	0.10431	0.06256		-0.47463	
750531	1531	50	24.70	246.03	0.03700	0.07402		-0.52425	
750531	1532	00	25.22	245.69	0.06375	0.07277		-0.53225	
750531	1532	10	25.75	245.33	0.02533	0.06750	-0.014530	-0.50326	-0.633442
750531	1532	20	26.27	244.98	-0.02165	0.06241		-0.43136	
750531	1532	30	26.79	244.63	0.12174	0.03763		-0.33622	
750531	1532	40	27.32	244.26	0.13251	0.03325		-0.35353	
750531	1532	50	27.84	243.92	0.05814	0.04529		-0.32679	
750531	1533	00	28.36	243.56	-0.00306	0.04206		-0.31714	
750531	1533	10	28.88	243.19	0.03490	0.04224	-0.043142	-0.24867	-0.162879
750531	1533	20	29.40	242.82	0.05702	0.03903		-0.28806	
750531	1533	30	29.91	242.45	0.07176	0.03610		-0.27110	
750531	1533	40	30.43	242.08	0.03224	0.03357		-0.23837	
750531	1533	50	30.95	241.70	0.08702	0.03159		-0.18312	
750531	1534	00	31.46	241.32	0.00027	0.03031		-0.17439	
750531	1534	10	31.98	240.93	-0.00785	0.02576	-0.035388	-0.01054	0.330087
750531	1534	20	32.49	240.55	-0.03351	0.02565		0.07664	
750531	1534	30	33.00	240.15	-0.09314	0.02050		0.13125	
750531	1534	40	33.51	239.76	0.05394	0.03069		0.12495	
750531	1534	50	34.02	239.35	0.02435	0.03055		0.01430	
750531	1535	00	34.53	238.95	0.14277	0.02929		-0.13531	
750531	1535	10	35.04	238.54	0.02492	0.02441	-0.013188	-0.13899	0.349229
750531	1535	20	35.55	238.12	0.03254	0.02146		-0.54012	
750531	1535	30	36.06	237.71	0.07546	0.01421		-0.77733	
750531	1535	40	36.56	237.28	-0.17154	0.02462		-1.00657	
750531	1535	50	37.06	236.85	0.01804	-0.00767		-1.22345	
750531	1536	00	37.56	236.42	0.03667	-0.02215		-1.42941	
750531	1536	10	38.06	235.98	-0.08612	-0.02866	0.000059	-1.61475	0.066296
750531	1536	20	38.56	235.54	0.04810	-0.05887		-1.77342	
750531	1536	30	39.06	235.03	-0.04207	-0.07030		-1.86404	
750531	1536	40	39.55	234.61	-0.08562	-0.09640		-1.93323	
750531	1536	50	40.05	234.17	-0.18296	-0.11662		-1.91603	
750531	1537	00	40.54	233.70	-0.20422	-0.13571		-1.84114	
750531	1537	10	41.02	233.22	-0.13222	-0.15625	-0.001024	-1.72687	0.003193
750531	1537	20	41.52	232.74	-0.03210	-0.17442		-1.59105	
750531	1537	30	42.01	232.25	-0.03245	-0.19135		-1.44737	
750531	1537	40	42.49	231.70	-0.10943	-0.20654		-1.25786	
750531	1537	50	42.98	231.22	-0.25536	-0.21990		-1.13642	
750531	1538	00	43.40	230.75	-0.28883	-0.23139		-0.96239	
750531	1538	10	43.94	230.24	-0.19842	-0.24088		-0.78122	
750531	1538	20	44.41	229.71	-0.24359	-0.24820		-0.59843	
750531	1538	30	44.84	229.18	-0.18001	-0.25361		-0.41646	
750531	1538	40	45.30	228.64	-0.33757	-0.25706		-0.23592	

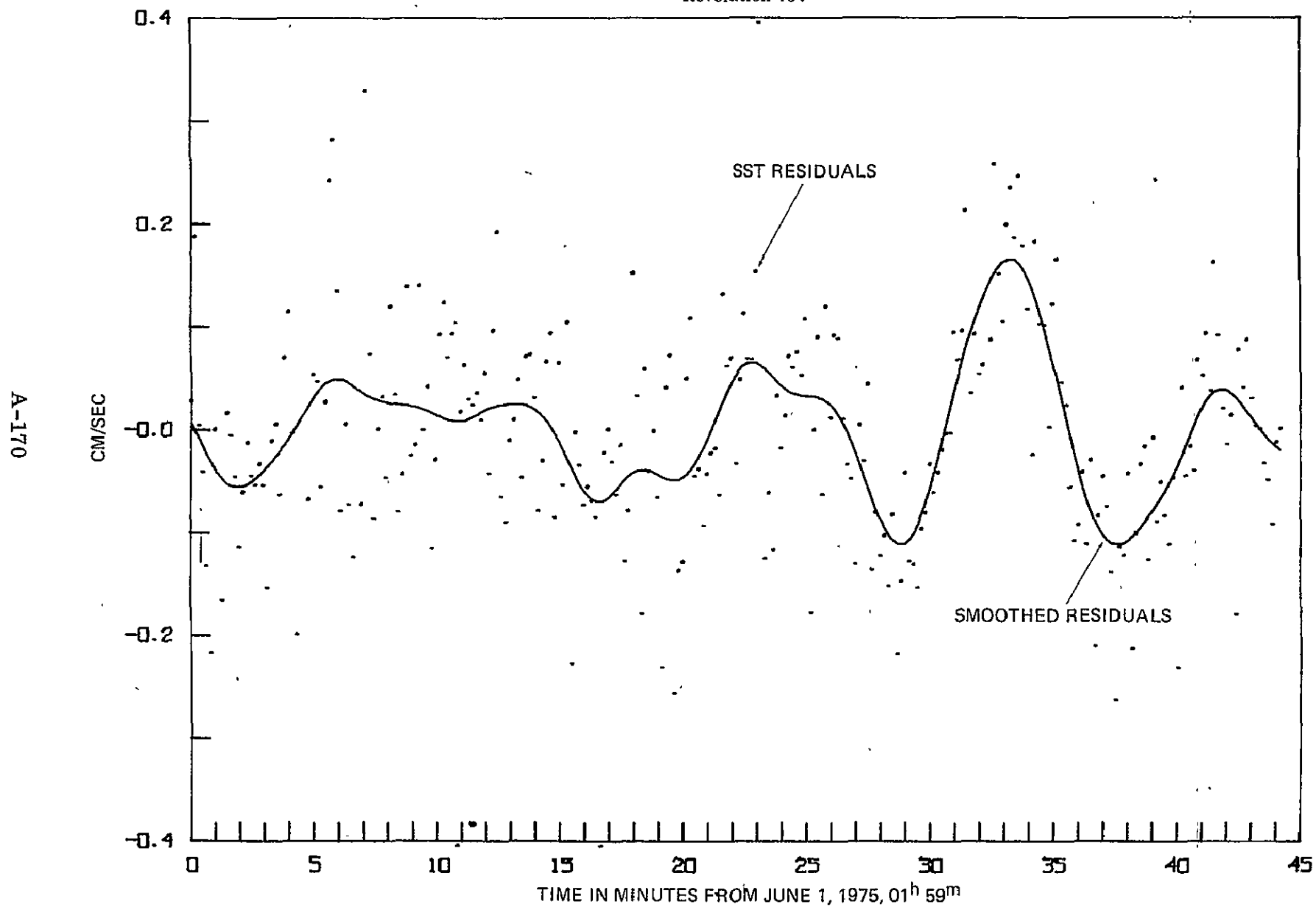
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GEOS-3 Revolution No. 737

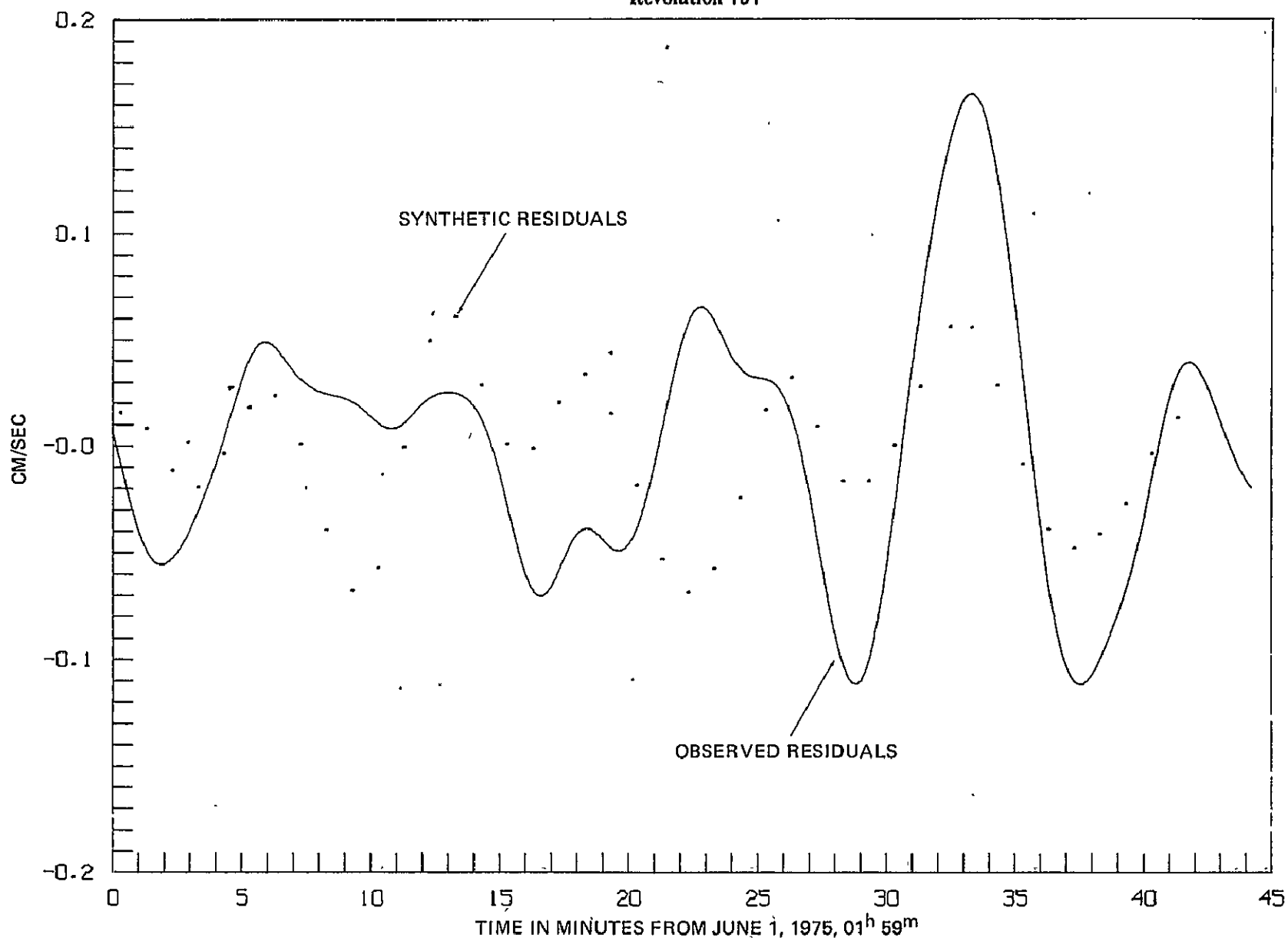
June 1, 1975, 1<sup>h</sup> 59<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 737

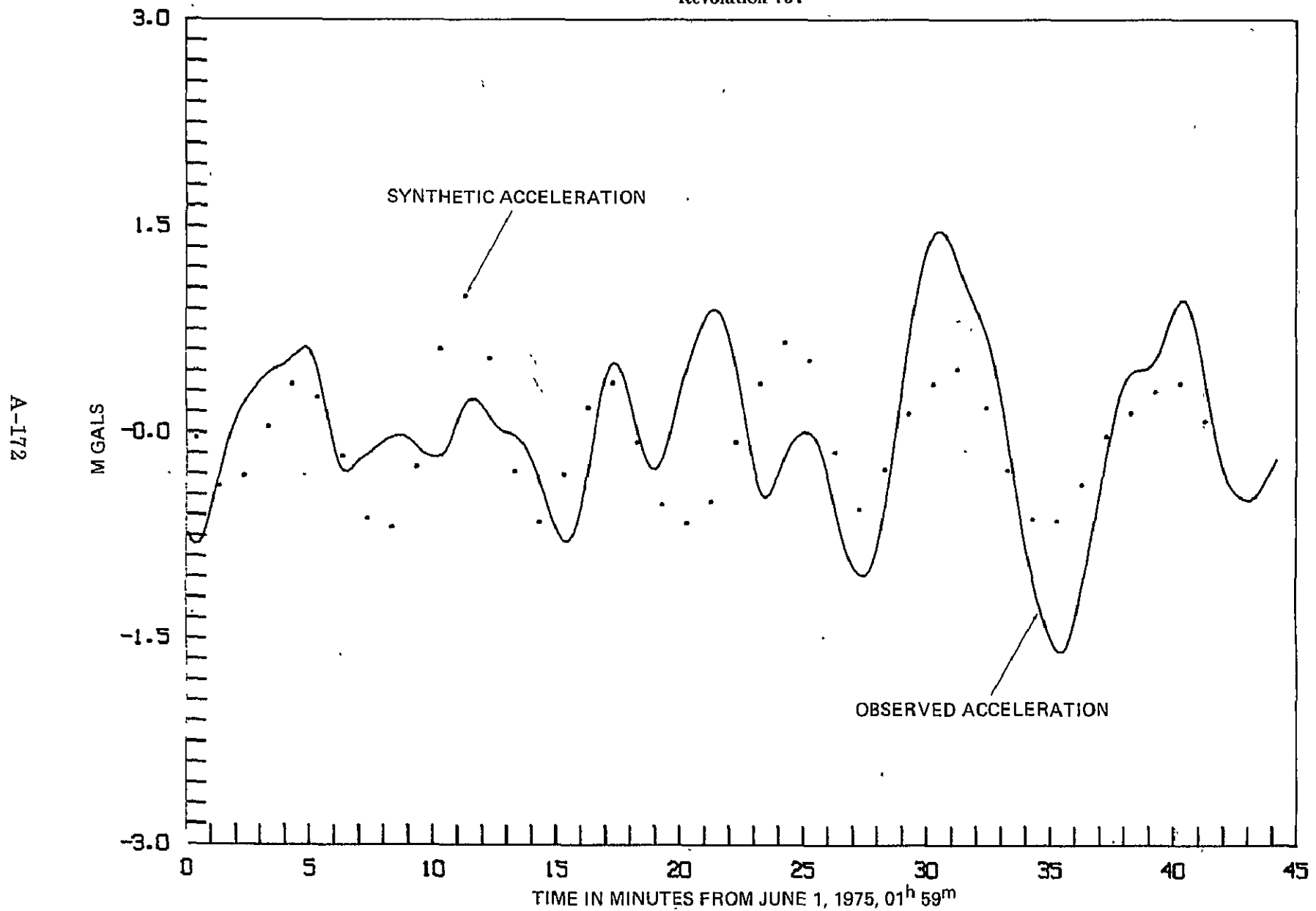


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 737

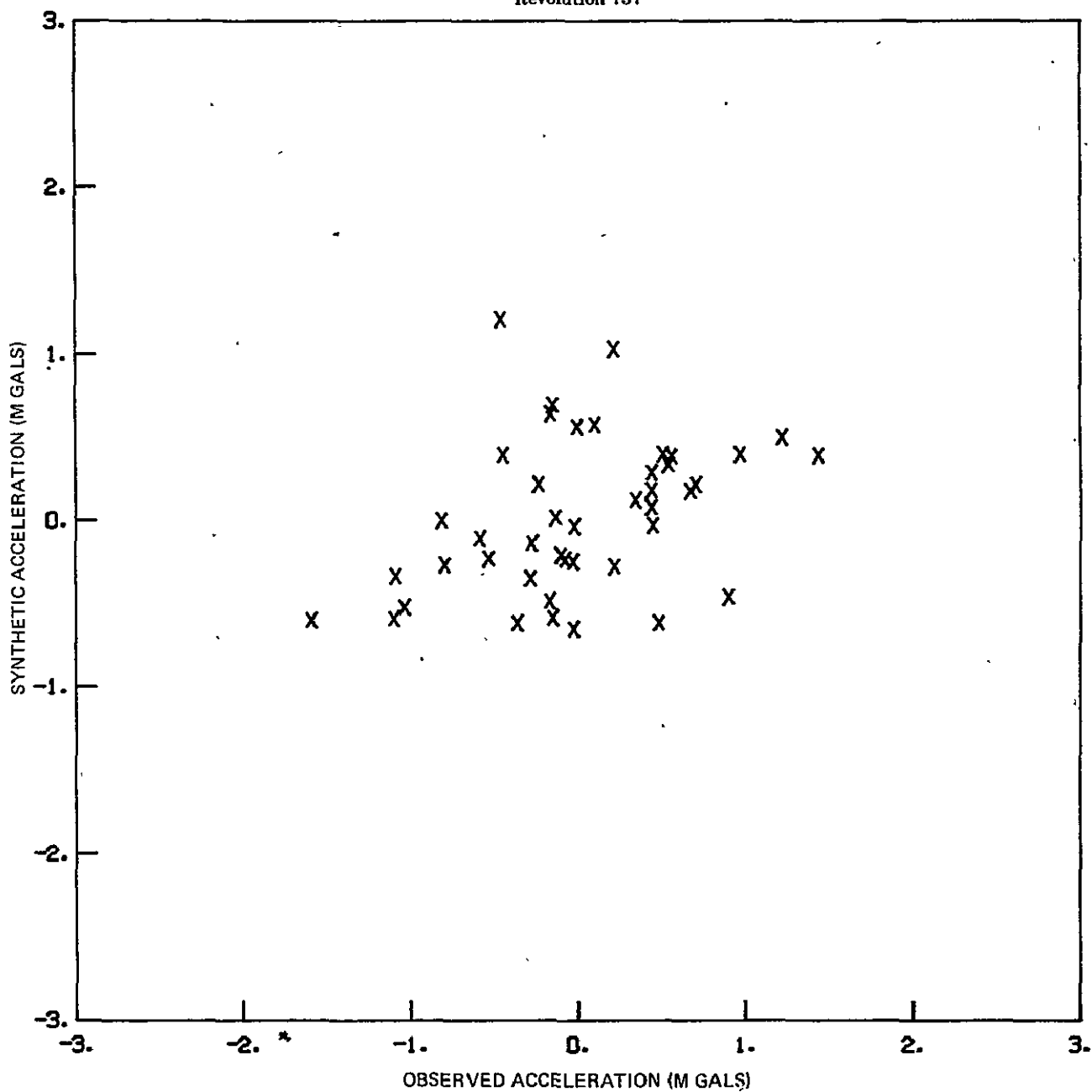
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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 737



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 737



REVOLUTION 737-

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750601	159	4.	64.78	22.98	0.03326	0.00578		-0.73102	
750601	159	14.	64.85	21.58	0.19211	-0.00241		-0.79076	
750601	159	24.	64.93	20.17	0.00867	-0.01077	0.017773	-0.81730	-0.002981
750601	159	34.	65.00	18.75	-0.03686	-0.01901		-0.80283	
750601	159	44.	65.05	17.33	-0.12817	-0.02686		-0.74766	
750601	159	54.	65.09	15.90	-0.21283	-0.03414		-0.65642	
750601	200	4.	65.12	14.46	0.00545	-0.04066		-0.54218	
750601	200	24.	65.14	11.59	-0.16143	-0.05058	0.010440	-0.28706	-0.351722
750601	200	34.	65.13	10.16	0.02113	-0.03371		-0.16700	
750601	200	44.	65.11	8.72	-0.00098	-0.05552		-0.06180	
750601	200	54.	65.07	7.29	-0.04136	-0.05611		-0.02761	
750601	201	4.	65.02	5.86	-0.10994	-0.05567		0.10270	
750601	201	14.	64.96	4.44	-0.05556	-0.05439		0.16498	
750601	201	24.	64.89	3.03	-0.00734	-0.05239	-0.009565	0.21630	-0.279792
750601	201	34.	64.80	1.62	-0.04002	-0.04976		0.25989	
750601	201	44.	64.70	0.22	-0.04902	-0.04659		0.29926	
750601	201	54.	64.59	356.24	-0.02817	-0.04294		0.33664	
750601	202	4.	64.47	357.46	-0.04948	-0.03886		0.37276	
750601	202	14.	64.33	356.10	-0.14915	-0.03444		0.40642	
750601	202	24.	64.19	354.75	-0.00567	-0.02973	-0.017478	0.43472	0.074991
750601	202	34.	64.03	353.42	0.01070	-0.02475		0.45556	
750601	202	44.	63.86	352.10	-0.05822	-0.01949		0.47042	
750601	202	54.	63.68	350.79	0.07461	-0.01397		0.48293	
750601	203	4.	63.48	349.51	0.11961	-0.00812		0.49366	
750601	203	14.	63.28	348.24	-0.00129	-0.00787		0.50346	
750601	203	24.	63.07	346.98	-0.19494	0.00469	-0.001458	0.55753	0.385177
750601	203	34.	62.37	343.34	-0.06241	0.02467		0.61915	
750601	203	44.	62.11	342.16	0.05828	0.01120		0.59288	
750601	203	54.	61.85	341.00	0.05077	0.03694		0.53182	
750601	204	4.	61.58	339.86	-0.05087	0.04178	0.020481	0.43505	0.282247
750601	204	14.	61.30	338.74	0.03179	0.04543		0.30572	
750601	204	24.	61.01	337.64	0.24768	0.04774		0.15339	
750601	204	34.	60.72	336.55	0.28682	0.04670		0.00262	
750601	204	44.	60.41	335.49	0.13868	0.04865		-0.13828	
750601	204	54.	60.10	334.45	-0.07430	0.04750		-0.23343	
750601	205	4.	59.78	333.42	0.01063	0.04554	0.025997	-0.28159	-0.141419
750601	205	14.	59.46	332.41	-0.06787	0.04307		-0.28813	
750601	205	24.	59.12	331.43	-0.11918	0.04032		-0.26612	
750601	205	34.	58.44	329.51	-0.06680	0.03480		-0.19962	
750601	205	44.	58.08	328.57	0.33427	0.03240		-0.17514	
750601	205	54.	57.72	327.66	0.07742	0.03042	0.003000	-0.15597	-0.590619
750601	206	4.	57.36	326.76	-0.08180	0.02879		-0.13565	
750601	206	14.	56.99	325.88	0.00614	0.02739		-0.11246	
750601	206	24.	56.61	325.01	0.03704	0.02623		-0.08838	
750601	206	34.	56.23	324.16	-0.04144	0.02528		-0.06574	
750601	206	44.	55.84	323.33	0.12475	0.02454		-0.04672	
750601	206	54.	55.45	322.51	0.03814	0.02399	-0.037220	-0.03202	-0.656948
750601	207	4.	55.05	321.71	-0.07512	0.02355		-0.02212	
750601	207	14.	54.65	320.92	0.03713	0.02310		-0.01494	
750601	207	24.	54.25	320.15	0.14366	0.02256		-0.02965	
750601	207	34.	53.84	319.39	-0.02010	0.02191		-0.04781	
750601	207	44.	53.42	318.65	-0.00878	0.02106		-0.07431	
750601	207	54.	53.00	317.92	0.14478	0.01996	-0.045656	-0.10640	-0.214381
750601	208	4.	52.58	317.20	0.00467	0.01863		-0.13712	
750601	208	14.	52.15	316.50	0.04708	0.01708		-0.16157	
750601	208	24.	51.72	315.81	-0.11101	0.01532		-0.17700	
750601	208	34.	51.29	315.13	0.02343	0.01442		-0.19363	
750601	208	44.	50.85	314.46	0.09712	0.01151		-0.18167	
750601	208	54.	50.41	313.80	0.12831	0.00984	-0.054719	-0.16720	0.639524
750601	209	4.	49.97	313.16	0.07412	0.00860		-0.13332	
750601	209	14.	49.52	312.52	0.09783	0.00792		-0.07558	
750601	209	24.	49.07	311.90	-0.04057	0.00783		-0.00274	
750601	209	34.	48.62	311.29	0.02254	0.00826		0.08666	
750601	209	44.	48.15	310.68	0.06756	0.00929		0.15889	
750601	209	54.	47.71	310.09	0.03410	0.01091	0.001781	0.20994	1.028131
750601	210	4.	47.24	309.51	0.02848	0.01296		0.23665	
750601	210	14.	46.78	308.94	0.04071	0.01522		0.23968	
750601	210	24.	46.31	308.37	0.01400	0.01749		0.22221	
750601	210	34.	45.85	307.81	0.05957	0.01958		0.18889	
750601	210	44.	45.38	307.27	-0.03769	0.02136		0.14545	
750601	210	54.	44.90	306.73	0.10109	0.02276	0.051759	0.09798	0.571843
750601	211	4.	44.43	306.20	0.19693	0.02380		0.05390	
750601	211	14.	43.96	305.67	-0.06074	0.02455		0.02140	
750601	211	24.	43.47	305.16	-0.08594	0.02495		0.00224	
750601	211	34.	42.99	304.65	-0.00534	0.02503		-0.00907	
750601	211	44.	42.51	304.15	0.01517	0.02482		-0.01751	
750601	211	54.	42.02	303.66	0.05357	0.02434	0.063060	-0.03280	-0.251558
750601	212	4.	41.53	303.17	-0.04193	0.02354		-0.05852	
750601	212	14.	41.05	302.69	0.07614	0.02332		-0.00763	
750601	212	24.	40.56	302.21	0.07780	0.02059		-0.15055	
750601	212	34.	40.06	301.75	0.03536	0.01824		-0.21506	
750601	212	44.	39.57	301.28	-0.07429	0.01513		-0.28897	
750601	212	54.	39.07	300.83	-0.02479	0.01110	0.030668	-0.37184	-0.620160
750601	213	4.	38.58	300.38	0.07057	0.00811		-0.46275	
750601	213	14.	38.08	299.93	0.09826	0.00022		-0.55683	
750601	213	24.	37.58	299.49	-0.08092	-0.00654		-0.64569	
750601	213	34.	37.08	299.06	0.06985	-0.01408		-0.72107	
750601	213	44.	36.58	298.63	-0.04857	-0.02219		-0.77507	
750601	213	54.	36.07	298.21	0.10918	-0.03062	0.003000	-0.80026	-0.270347

ORIGINAL PAGE IS  
OF POOR QUALITY

REVOLUTION 737

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750601	214	34.	35.57	297.79	-0.22408	-0.03903		-0.79082	
750601	214	44.	35.06	297.38	0.00251	-0.04715		-0.74530	
750601	214	54.	34.56	296.57	-0.02976	-0.05457		-0.66576	
750601	215	4.	34.05	296.56	-0.06874	-0.06091		-0.55154	
750601	215	14.	33.54	296.16	-0.05011	-0.06586		-0.40785	
750601	215	24.	33.03	295.76	-0.06451	-0.06917	0.000913	-0.24002	0.213802
750601	215	34.	32.52	295.37	-0.08068	-0.07072		-0.05790	
750601	215	44.	32.00	294.98	-0.12584	-0.07057		0.12337	
750601	215	54.	31.49	294.60	-0.01689	-0.06891		0.28313	
750601	216	4.	30.98	294.22	0.00542	-0.06591		0.40401	
750601	216	14.	30.48	293.84	0.02033	-0.06185		0.47849	
750601	216	24.	29.94	293.46	-0.05857	-0.05717	0.022626	0.50573	0.395989
750601	216	35.	29.43	293.09	-0.00979	-0.05235		0.48824	
750601	216	45.	28.91	292.73	-0.12382	-0.04785		0.43070	
750601	216	55.	28.39	292.36	-0.07356	-0.04407		0.33907	
750601	217	5.	27.87	292.00	-0.13682	-0.04124		0.22208	
750601	217	15.	27.35	291.64	0.03676	-0.03947		0.09410	
750601	217	25.	26.83	291.29	-0.17477	-0.03883	0.036065	-0.02879	-0.040161
750601	217	35.	26.31	290.93	0.06348	-0.03531		-0.15485	
750601	217	45.	25.78	290.59	-0.01601	-0.04066		-0.21478	
750601	217	55.	25.26	290.24	0.00403	-0.04260		-0.26064	
750601	218	5.	24.74	289.89	-0.05147	-0.04479		-0.26795	
750601	218	15.	24.21	289.55	-0.22705	-0.04692		-0.23708	
750601	218	25.	23.69	289.21	-0.04537	-0.04865	0.017529	-0.17370	-0.490155
750601	218	35.	23.16	288.88	0.07670	-0.04961		-0.08387	
750601	218	45.	22.63	288.54	-0.25234	-0.04955		0.02727	
750601	218	55.	22.11	288.21	-0.13170	-0.04841		0.14988	
750601	219	5.	21.58	287.88	-0.12350	-0.04613		0.27099	
750601	219	15.	21.05	287.55	0.05446	-0.04264		0.38121	
750601	219	25.	20.52	287.22	0.11290	-0.03790	-0.016353	0.47870	-0.619958
750601	219	35.	19.99	286.90	-0.04040	-0.03195		0.56757	
750601	219	45.	19.46	286.58	-0.03287	-0.02485		0.65320	
750601	219	55.	18.93	286.26	-0.08887	-0.01703		0.73422	
750601	220	5.	18.40	285.94	-0.03723	-0.00837		0.80641	
750601	220	15.	17.87	285.62	-0.01725	-0.00687		0.86271	
750601	220	25.	17.34	285.31	-0.01282	0.01048	-0.051140	0.85586	-0.463421
750601	220	35.	16.81	284.99	-0.05853	0.02017		0.89945	
750601	220	45.	16.27	284.68	0.13675	0.02965		0.86903	
750601	220	55.	15.74	284.37	0.06575	0.03862		0.80448	
750601	221	5.	15.21	284.06	0.07422	0.04676		0.70921	
750601	221	15.	14.67	283.75	-0.02822	0.05371	-0.066512	0.58701	-0.034305
750601	221	25.	14.14	283.44	0.05362	0.05917		0.44085	
750601	221	35.	13.61	283.14	0.11755	0.06295		0.27454	
750601	221	45.	13.07	282.83	0.07306	0.06497		0.09736	
750601	221	55.	12.54	282.53	0.07235	0.06521		-0.08022	
750601	222	5.	12.00	282.23	0.15817	0.06384		-0.24330	
750601	222	15.	11.47	281.93	0.43962	0.06119		-0.37414	
750601	222	25.	10.93	281.62	-0.12074	0.05766	-0.055063	-0.45423	0.391163
750601	222	35.	10.40	281.33	-0.05584	0.05351		-0.47607	
750601	222	45.	9.86	281.03	-0.11251	0.04912		-0.44748	
750601	222	55.	9.32	280.73	0.03792	0.04485		-0.38477	
750601	223	5.	8.79	280.43	-0.01319	0.04105		-0.30546	
750601	223	15.	8.25	280.14	0.01878	0.03788		-0.22433	
750601	223	25.	7.71	279.84	0.07620	0.03543	-0.021926	-0.15201	0.692597
750601	223	35.	7.18	279.54	0.06472	0.03367		-0.09370	
750601	223	45.	6.64	279.25	0.08005	0.03252		-0.05018	
750601	223	55.	6.10	278.96	0.05706	0.03124		-0.01991	
750601	224	5.	5.56	278.66	0.11196	0.03146		-0.00137	
750601	224	15.	5.03	278.37	0.17363	0.03117		-0.00467	
750601	224	25.	4.49	278.08	0.00530	0.03066	0.019338	-0.00748	0.558495
750601	224	35.	3.95	277.79	0.09462	0.02974		-0.04503	
750601	224	45.	3.41	277.49	-0.05841	0.02819		-0.11118	
750601	224	55.	2.88	277.20	0.12439	0.02576		-0.20557	
750601	225	5.	2.34	276.91	0.01542	0.02226		-0.32350	
750601	225	15.	1.80	276.62	0.09645	0.01752		-0.45615	
750601	225	25.	1.26	276.33	0.09243	0.01150	0.034405	-0.59225	-0.110028
750601	225	35.	0.72	276.04	-0.01514	0.00421		-0.71976	
750601	225	45.	0.19	275.75	-0.02920	-0.00431		-0.82941	
750601	225	55.	-0.35	275.46	-0.04288	-0.01392		-0.91660	
750601	226	5.	-0.89	275.17	-0.12623	-0.02492		-0.99807	
750601	226	15.	-1.43	274.87	0.01024	-0.03556		-1.02300	
750601	226	25.	-1.97	274.58	-0.02546	-0.04702	0.011190	-1.04332	-0.525781
750601	226	35.	-2.50	274.29	0.04961	-0.05847		-1.03819	
750601	226	45.	-3.04	274.00	-0.13129	-0.06958		-1.00264	
750601	226	55.	-3.58	273.71	-0.07453	-0.08005		-0.93364	
750601	227	5.	-4.12	273.42	-0.11802	-0.08956		-0.83127	
750601	227	15.	-4.65	273.13	-0.09770	-0.09777		-0.69772	
750601	227	25.	-5.19	272.83	-0.14752	-0.10437	-0.014462	-0.53681	-0.230192
750601	227	35.	-5.73	272.54	-0.07686	-0.10910		-0.35379	
750601	227	45.	-6.27	272.25	-0.21375	-0.11177		-0.15474	
750601	227	55.	-6.80	271.95	-0.14219	-0.11225		0.05305	
750601	228	5.	-7.34	271.66	-0.03603	-0.11044		0.26242	
750601	228	15.	-7.88	271.36	-0.12361	-0.10631		0.46875	
750601	228	25.	-8.41	271.07	-0.12631	-0.09992	-0.014270	0.66831	0.173552
750601	228	35.	-8.96	270.77	-0.14892	-0.09141		0.85582	
750601	228	45.	-9.49	270.47	-0.09148	-0.08057		1.02517	
750601	228	55.	-10.02	270.18	-0.07528	-0.06881		1.17083	
750601	229	5.	-10.56	269.88	-0.02759	-0.05518		1.28913	
750601	229	16.	-11.09	269.58	-0.05627	-0.04037		1.37822	
750601	229	26.	-11.63	269.28	-0.03593	-0.02472	0.002579	1.43712	0.388032
750601	229	36.	-12.16	268.97	-0.01386	-0.00858		1.46528	
750601	229	46.	-12.70	268.67	0.00177	0.00773		1.46300	
750601	229	56.	-13.23	268.37	0.00170	0.02390		1.43195	
750601	230	6.	-13.77	268.06	0.09955	0.03966		1.37576	
750601	230	16.	-14.30	267.76	0.07219	0.05482		1.30065	
750601	230	26.	-14.84	267.45	0.10081	0.06925	0.030151	1.21507	0.495366

REVOLUTION 737

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750601	230	36.	-15.37	267.14	0.21800	0.08288		1.12806	
750601	230	46.	-15.90	266.83	0.04012	0.09571		1.04808	
750601	230	56.	-16.43	266.52	0.09803	0.10772		0.97880	
750601	231	6.	-16.97	266.21	0.05841	0.11850		0.91740	
750601	231	16.	-17.50	265.89	0.06783	0.12919		0.85634	
750601	231	36.	-18.56	265.26	0.09226	0.14672	0.058212	0.69772	0.211686
750601	231	46.	-19.09	264.54	0.26333	0.15367		0.58650	
750601	231	56.	-19.62	264.02	0.13309	0.15919		0.49088	
750601	232	6.	-20.15	264.30	0.10872	0.16303		0.29252	
750601	232	16.	-20.68	263.97	0.20394	0.16457		0.11374	
750601	232	26.	-21.21	263.64	0.23976	0.16490	0.057902	-0.08063	-0.239203
750601	232	36.	-21.73	263.32	0.19043	0.16276		-0.28209	
750601	232	46.	-22.26	262.99	0.25147	0.15852		-0.48047	
750601	232	56.	-22.79	262.65	0.18259	0.15224		-0.66616	
750601	233	6.	-23.31	262.32	0.12133	0.14403		-0.83244	
750601	233	16.	-23.84	261.98	0.01955	0.13396		-0.97807	
750601	233	26.	-24.37	261.64	0.18724	0.12218	0.030479	-1.10678	-0.594996
750601	233	36.	-24.89	261.30	0.10656	0.10893		-1.22274	
750601	233	46.	-25.41	260.95	0.10535	0.09439		-1.32736	
750601	233	56.	-25.94	260.60	0.00694	0.07871		-1.42065	
750601	234	6.	-26.46	260.26	0.12666	0.06209		-1.50026	
750601	234	16.	-26.98	259.90	0.16989	0.04481		-1.56326	
750601	234	26.	-27.50	259.55	0.04984	0.02718	-0.006570	-1.59860	-0.604410
750601	234	36.	-28.02	259.19	0.02054	0.00940		-1.59956	
750601	234	46.	-28.54	258.83	-0.05129	-0.00755		-1.55899	
750601	234	56.	-29.06	258.46	-0.10324	-0.02480		-1.48146	
750601	235	6.	-29.58	258.09	-0.08781	-0.04075		-1.37239	
750601	235	16.	-30.09	257.72	-0.03539	-0.05548		-1.24004	
750601	235	26.	-30.61	257.35	-0.10452	-0.06873	-0.037021	-0.99181	-0.338213
750601	235	36.	-31.12	256.97	-0.02374	-0.08032		-0.93372	
750601	235	46.	-31.64	256.59	-0.20637	-0.09015		-0.77074	
750601	235	56.	-32.15	256.20	-0.07837	-0.09819		-0.60747	
750601	236	6.	-32.66	255.81	-0.03570	-0.10440		-0.44748	
750601	236	16.	-33.17	255.42	-0.07003	-0.10877		-0.29131	
750601	236	26.	-33.68	255.02	-0.13384	-0.11137	-0.046025	-0.13907	0.013028
750601	236	36.	-34.19	254.62	-0.25852	-0.11237		0.00619	
750601	236	46.	-34.70	254.21	-0.10886	-0.11193		0.13773	
750601	236	56.	-35.20	253.80	-0.11760	-0.11020		0.24860	
750601	237	6.	-35.71	253.39	-0.03694	-0.10737		0.33528	
750601	237	16.	-36.21	252.97	-0.20898	-0.10366		0.39732	
750601	237	26.	-36.72	252.54	-0.09534	-0.09933	-0.039212	0.43577	0.176552
750601	237	36.	-37.22	252.11	-0.02793	-0.09456		0.45357	
750601	237	46.	-37.72	251.68	-0.01075	-0.08945		0.45820	
750601	237	56.	-38.22	251.24	-0.12227	-0.08407		0.46003	
750601	238	6.	-38.71	250.79	-0.00231	-0.07843		0.46885	
750601	238	16.	-39.21	250.34	-0.08501	-0.07245		0.49254	
750601	238	26.	-39.70	249.88	-0.04535	-0.06601	-0.024989	0.53638	0.332564
750601	238	36.	-40.20	249.42	-0.07891	-0.06097		0.60133	
750601	238	46.	-40.69	248.95	-0.10733	-0.05122		0.68360	
750601	238	56.	-41.18	248.48	-0.04141	-0.04270		0.77439	
750601	239	6.	-41.66	248.00	-0.22726	-0.03346		0.86126	
750601	239	16.	-42.15	247.51	0.04614	-0.02366		0.92948	
750601	239	26.	-42.63	247.01	-0.04029	-0.01348	-0.001211	0.96598	0.393239
750601	239	36.	-43.12	246.51	-0.01058	-0.00324		0.96254	
750601	239	46.	-43.60	246.00	-0.03500	0.00663		0.91433	
750601	239	56.	-44.07	245.48	0.07291	0.01671		0.82064	
750601	240	6.	-44.55	244.96	0.05700	0.02364		0.68607	
750601	240	16.	-45.02	244.43	0.09815	0.03011		0.52068	
750601	240	26.	-45.50	243.89	0.04216	0.03488	0.015500	0.33806	0.118927
750601	240	36.	-45.97	243.34	0.16735	0.03787		0.15351	
750601	240	46.	-46.43	242.78	0.09560	0.03913		-0.01744	
750601	240	56.	-46.90	242.21	0.02509	0.03878		-0.16166	
750601	241	6.	-47.36	241.64	-0.00949	0.03701		-0.27262	
750601	241	16.	-47.82	241.06	-0.01977	0.03406		-0.36119	
750601	241	26.	-48.28	240.46	-0.17537	0.03013		-0.40381	
750601	241	36.	-48.73	239.85	0.08232	0.02546		-0.44003	
750601	241	46.	-49.18	239.24	0.04552	0.02033		-0.46723	
750601	241	56.	-49.63	238.62	0.09233	0.01495		-0.48640	
750601	242	6.	-50.08	237.98	0.03485	0.00951		-0.49476	
750601	242	16.	-50.52	237.33	0.00846	0.00416		-0.48864	
750601	242	26.	-50.96	236.68	0.00590	-0.00099		-0.46620	
750601	242	36.	-51.39	236.01	-0.02776	-0.00581		-0.42802	
750601	242	46.	-51.83	235.32	-0.04405	-0.01022		-0.37685	
750601	242	56.	-52.25	234.63	-0.08742	-0.01411		-0.31732	
750601	243	6.	-52.68	233.92	-0.00645	-0.01742		-0.25526	
750601	243	16.	-53.10	200.00	0.00657	-0.02013		-0.19642	

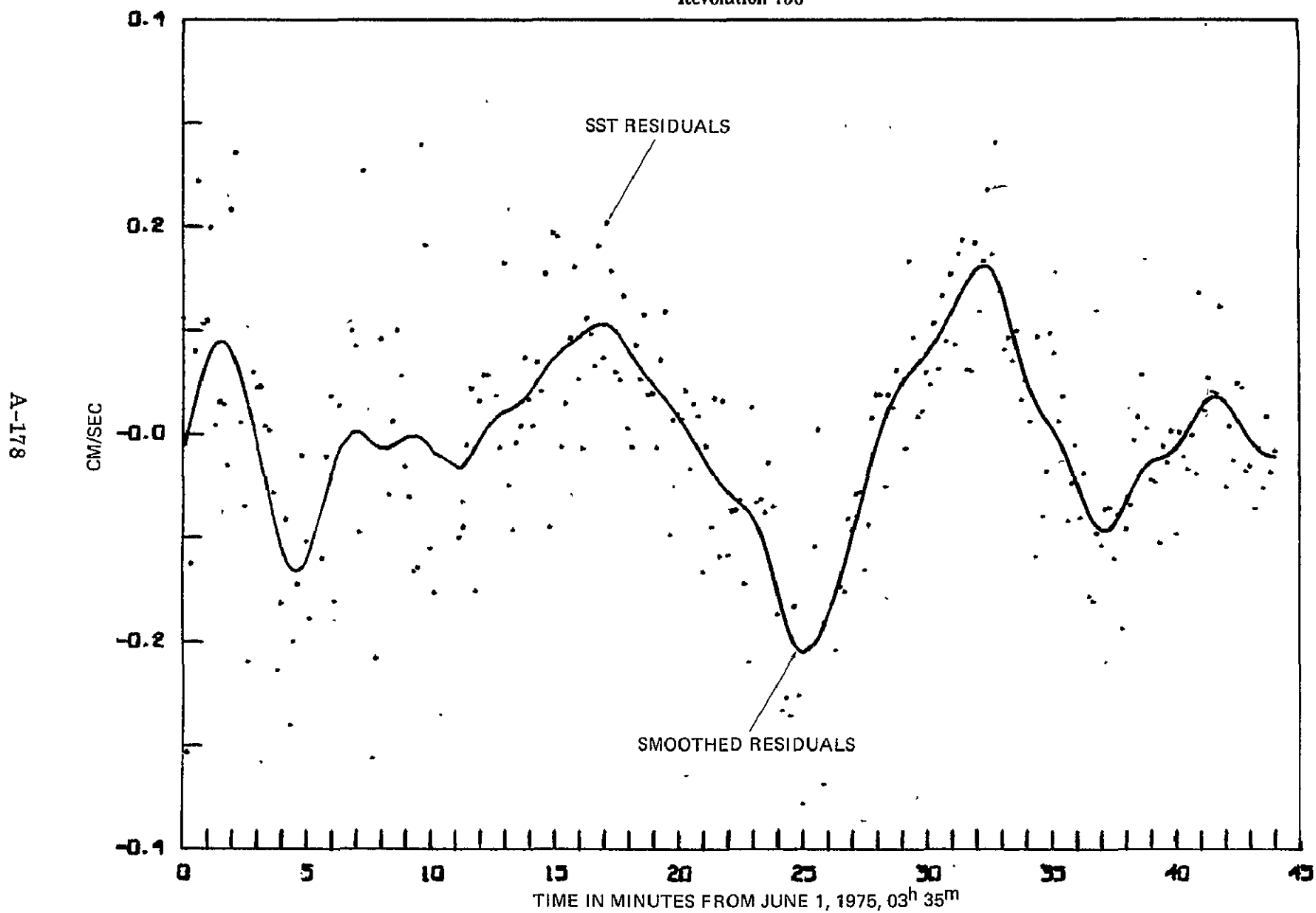
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GEOS-3 Revolution No. 738

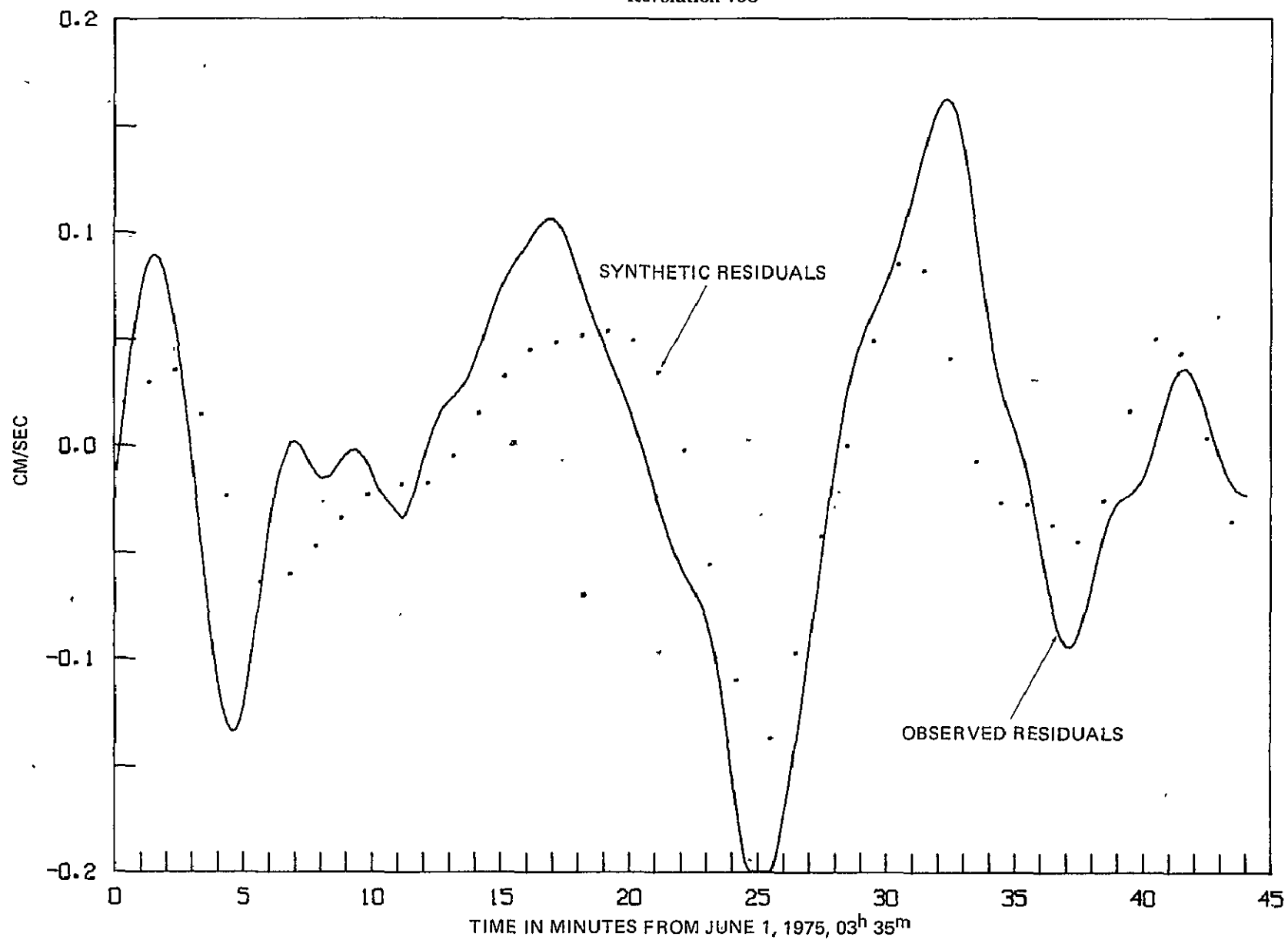
June 1, 1975, 3<sup>h</sup> 35<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 738

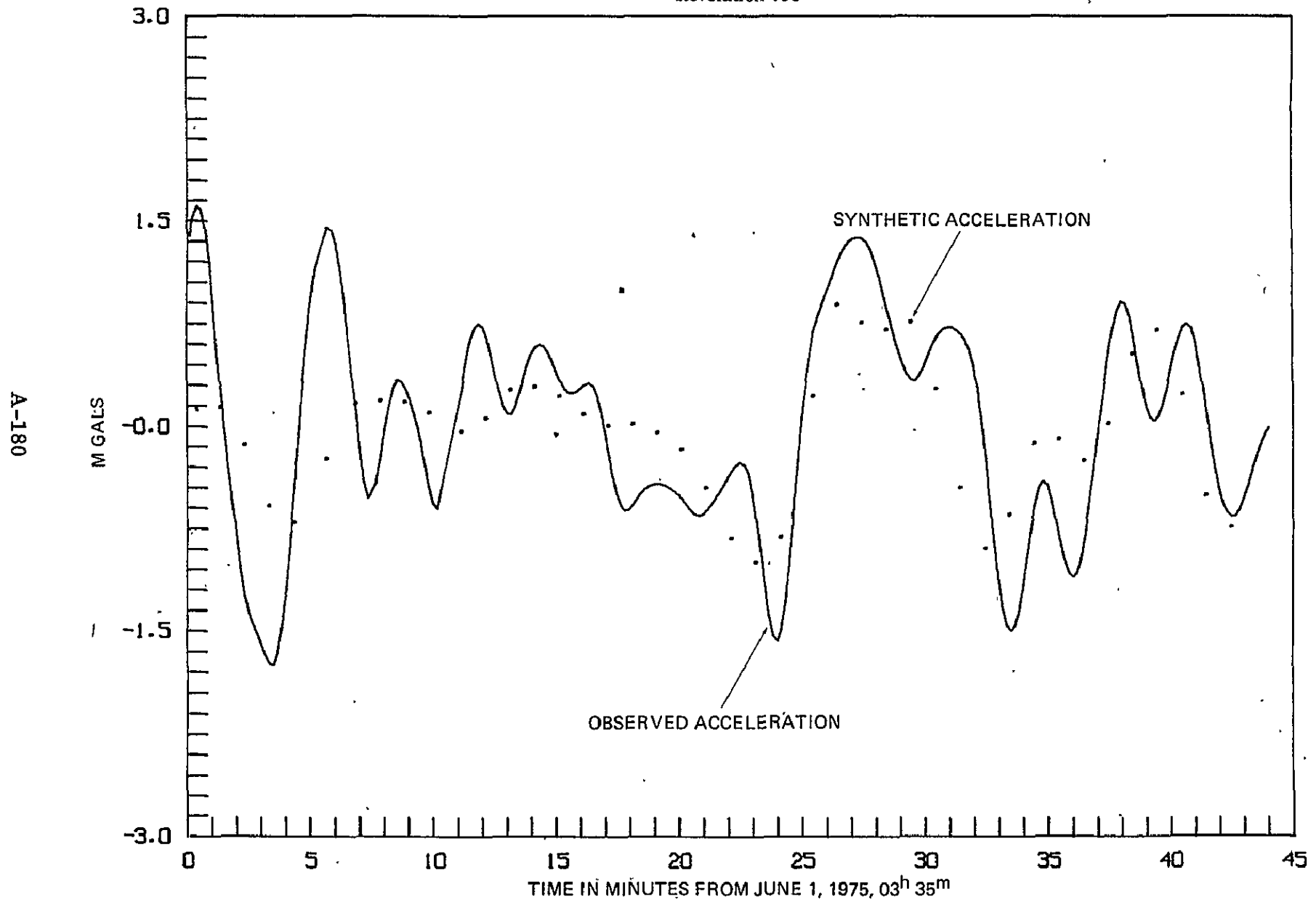


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 738

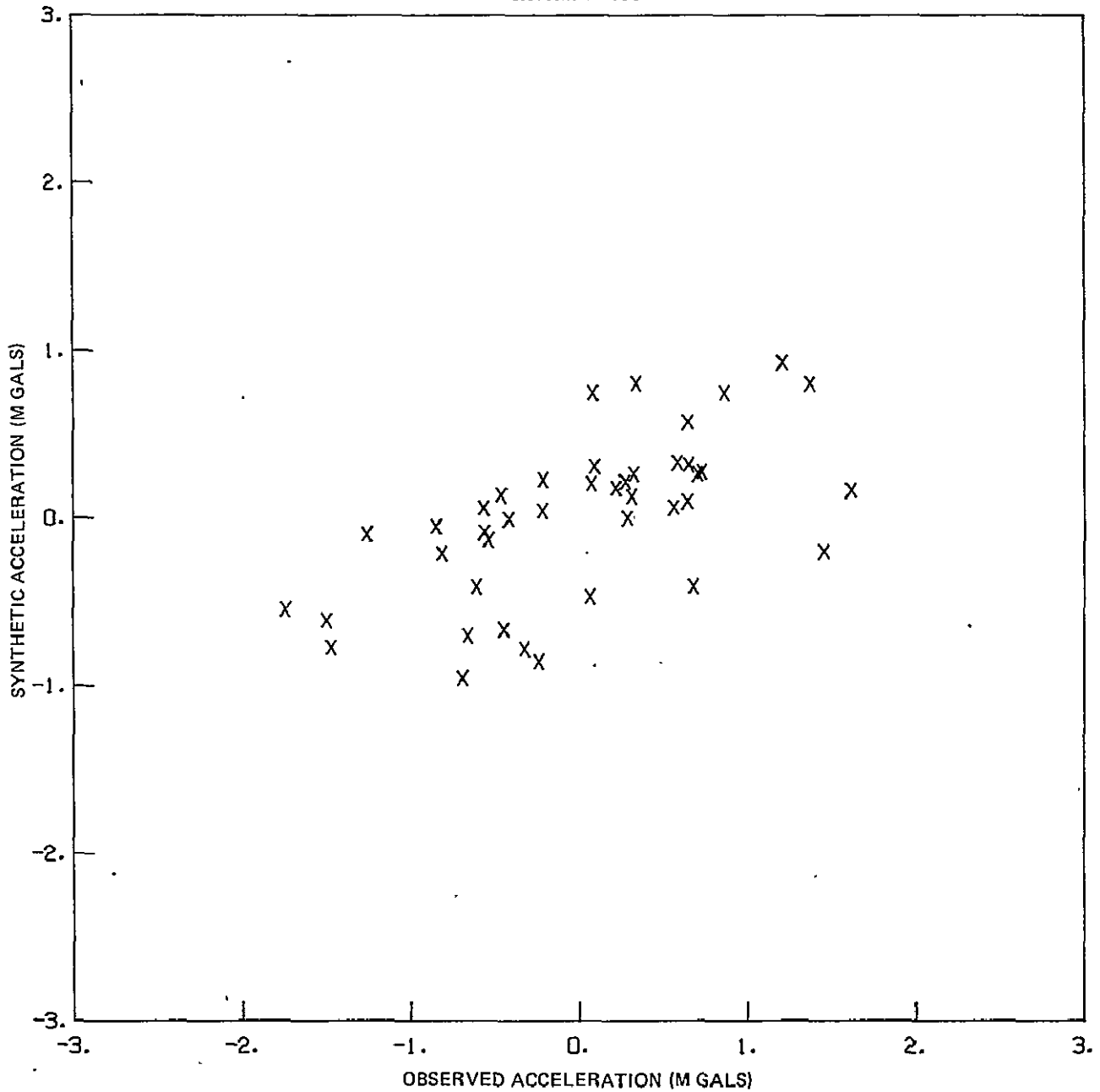
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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 738



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 738



REVOLUTION 738

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750601	0315	00	28.23	27.20	0.11540	0.11121		1.33916	
750601	0315	15	28.23	27.20	0.33316	0.32743		1.53933	
750601	0315	30	28.23	27.20	0.12543	0.02313	0.12572	1.61347	0.151917
750601	0315	45	28.23	27.20	0.25773	0.02413		1.57964	
750601	0316	00	28.23	27.20	0.24556	0.05513		1.43336	
750601	0316	15	28.23	27.20	0.11569	0.05433		1.13176	
750601	0316	30	28.23	27.20	0.11429	0.07533		0.88422	
750601	0316	45	28.23	27.20	0.20355	0.07423		0.54581	
750601	0317	00	28.23	27.20	0.12223	0.08827	0.032347	0.21537	0.176980
750601	0317	15	28.23	27.20	0.33597	0.08923		0.63947	
750601	0317	30	28.23	27.20	0.32250	0.08753		0.36512	
750601	0317	45	28.23	27.20	0.20534	0.08213		0.23344	
750601	0318	00	28.23	27.20	0.22088	0.07411		0.25795	
750601	0318	15	28.23	27.20	0.27633	0.05377		0.05913	
750601	0318	30	28.23	27.20	0.01496	0.05162	0.032456	0.26703	0.100936
750601	0318	45	28.23	27.20	0.05113	0.03743		0.34932	
750601	0319	00	28.23	27.20	0.21322	0.02213		0.46597	
750601	0319	15	28.23	27.20	0.06888	0.02545		0.54318	
750601	0319	30	28.23	27.20	0.04841	0.01214		0.61886	
750601	0319	45	28.23	27.20	0.02541	0.03333	0.14525	0.32797	0.546885
750601	0320	00	28.23	27.20	0.11113	0.04853		0.75213	
750601	0320	15	28.23	27.20	0.02712	0.05717		0.74370	
750601	0320	30	28.23	27.20	0.02316	0.05843		0.66035	
750601	0320	45	28.23	27.20	0.22322	0.06000		0.47113	
750601	0321	00	28.23	27.20	0.15826	0.11404		0.12064	
750601	0321	15	28.23	27.20	0.07742	0.12426		0.54229	
750601	0321	30	28.23	27.20	0.27614	0.13122	0.021332	0.44825	0.670421
750601	0321	45	28.23	27.20	0.15415	0.13412		0.44782	
750601	0322	00	28.23	27.20	0.13396	0.15312		0.32702	
750601	0322	15	28.23	27.20	0.06199	0.12337		0.65464	
750601	0322	30	28.23	27.20	0.07777	0.12220		0.52939	
750601	0322	45	28.23	27.20	0.17395	0.15711	0.0001741	0.15172	0.204024
750601	0323	00	28.23	27.20	0.11496	0.07116		0.85313	
750601	0323	15	28.23	27.20	0.01571	0.03217		0.42097	
750601	0323	30	28.23	27.20	0.06415	0.03739		0.31687	
750601	0323	45	28.23	27.20	0.15733	0.02503		0.15327	
750601	0324	00	28.23	27.20	0.13322	0.01493	0.037500	0.03900	0.200597
750601	0324	15	28.23	27.20	0.01557	0.00220		0.06904	
750601	0324	30	28.23	27.20	0.05017	0.04222		0.20999	
750601	0324	45	28.23	27.20	0.03779	0.03574		0.42272	
750601	0325	00	28.23	27.20	0.05550	0.03304		0.53729	
750601	0325	15	28.23	27.20	0.01113	0.01113	0.044741	0.41257	0.224538
750601	0325	30	28.23	27.20	0.21032	0.01327		0.21833	
750601	0325	45	28.23	27.20	0.07730	0.01568		0.01133	
750601	0326	00	28.23	27.20	0.05994	0.01393		0.20283	
750601	0326	15	28.23	27.20	0.17284	0.01155		0.33613	
750601	0326	30	28.23	27.20	0.17388	0.00678	0.031-24	0.32885	0.211893
750601	0326	45	28.23	27.20	0.05547	0.00547		0.26761	
750601	0327	00	28.23	27.20	0.02770	0.00370		0.14780	
750601	0327	15	28.23	27.20	0.07700	0.00254		0.09250	
750601	0327	30	28.23	27.20	0.12844	0.00220		0.01838	
750601	0327	45	28.23	27.20	0.12372	0.00303		0.15246	
750601	0328	00	28.23	27.20	0.22413	0.00451	0.002733	0.31266	0.133238
750601	0328	15	28.23	27.20	0.10597	0.01015		0.45027	
750601	0328	30	28.23	27.20	0.10613	0.01301		0.87316	
750601	0328	45	28.23	27.20	0.14377	0.00244		0.51036	
750601	0329	00	28.23	27.20	0.09444	0.00454	0.011065	0.22051	0.008140
750601	0329	15	28.23	27.20	0.08479	0.00313		0.47184	
750601	0329	30	28.23	27.20	0.07563	0.00277		0.62166	
750601	0329	45	28.23	27.20	0.14305	0.00152		0.71631	
750601	0330	00	28.23	27.20	0.14690	0.00112		0.78127	
750601	0330	15	28.23	27.20	0.03722	0.00463		0.72425	
750601	0330	30	28.23	27.20	0.06243	0.00220	0.013756	0.63091	0.054642
750601	0330	45	28.23	27.20	0.06170	0.00473		0.51565	
750601	0331	00	28.23	27.20	0.04155	0.001632		0.24405	
750601	0331	15	28.23	27.20	0.00970	0.00054		0.14197	
750601	0331	30	28.23	27.20	0.17117	0.00174		0.08307	
750601	0331	45	28.23	27.20	0.00537	0.002351	0.0002332	0.08726	0.304448
750601	0332	00	28.23	27.20	0.08896	0.002562		0.14729	
750601	0332	15	28.23	27.20	0.00027	0.002414		0.24471	
750601	0332	30	28.23	27.20	0.01245	0.003145		0.38347	
750601	0332	45	28.23	27.20	0.07372	0.003567		0.45253	
750601	0333	00	28.23	27.20	0.03375	0.00570		0.53105	
750601	0333	15	28.23	27.20	0.11164	0.00455	0.017739	0.53087	0.327036
750601	0333	30	28.23	27.20	0.07925	0.003207		0.53774	
750601	0333	45	28.23	27.20	0.02570	0.003555		0.58112	
750601	0334	00	28.23	27.20	0.15945	0.00433		0.53375	
750601	0334	15	28.23	27.20	0.08660	0.006374		0.47264	
750601	0334	30	28.23	27.20	0.13711	0.007444		0.39517	
750601	0334	45	28.23	27.20	0.20437	0.007657	0.0335125	0.32114	0.258514
750601	0335	00	28.23	27.20	0.06344	0.00222		0.26736	
750601	0335	15	28.23	27.20	0.03446	0.008543		0.24175	
750601	0335	30	28.23	27.20	0.05244	0.00835		0.23975	
750601	0335	45	28.23	27.20	0.16515	0.005133		0.25475	
750601	0336	00	28.23	27.20	0.05722	0.00441	0.024745	0.28124	0.124455
750601	0336	15	28.23	27.20	0.01751	0.00755		0.30326	
750601	0336	30	28.23	27.20	0.11759	0.00500		0.31657	
750601	0336	45	28.23	27.20	0.10025	0.00334		0.23576	
750601	0337	00	28.23	27.20	0.00577	0.01545		0.21665	
750601	0337	15	28.23	27.20	0.13522	0.007659		0.09796	
750601	0337	30	28.23	27.20	0.07501	0.01664		0.00304	
750601	0337	45	28.23	27.20	0.20973	0.01843	0.005100	0.22380	0.039998
750601	0338	00	28.23	27.20	0.15170	0.01178		0.39411	
750601	0338	15	28.23	27.20	0.00426	0.009744		0.51113	
750601	0338	30	28.23	27.20	0.05558	0.00265		0.59129	
750601	0338	45	28.23	27.20	0.13460	0.003320		0.62320	
750601	0339	00	28.23	27.20	0.00312	0.007370	0.034261	0.41250	0.055847
750601	0339	15	28.23	27.20	0.00866	0.007341		0.57307	
750601	0339	30	28.23	27.20	0.00120	0.004734		0.52456	
750601	0339	45	28.23	27.20	0.00716	0.006151		0.62228	
750601	0340	00	28.23	27.20	0.12084	0.00525		0.43231	
750601	0340	15	28.23	27.20	0.04174	0.005119		0.43407	
750601	0340	30	28.23	27.20	0.04415	0.04632		0.42469	

# REVOLUTION 738

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E LONG	CM/SEC	RESIDUAL	RESIDUAL	ACCELERATION	ACCELERATION
750601	354	15	41.27	272.15	-0.0115	0.04131	0.04131	-0.62323	-0.111221
750601	354	23	41.38	277.5	0.027712	0.03650	0.03650	-0.63371	-0.111221
750601	354	35	41.49	277.22	0.012410	0.03175	0.03175	-0.64445	-0.111221
750601	354	45	41.60	276.74	-0.01287	0.02672	0.02672	-0.65597	-0.111221
750601	354	55	41.71	276.28	0.01612	0.02142	0.02142	-0.66747	-0.111221
750601	355	05	41.82	275.82	0.02442	0.01561	0.01561	-0.67897	-0.111221
750601	355	15	41.93	275.36	0.01598	0.01034	0.01034	-0.69047	-0.111221
750601	355	25	42.04	274.90	0.02713	0.00504	0.00504	-0.70197	-0.111221
750601	355	35	42.15	274.44	0.02956	0.00074	0.00074	-0.71347	-0.111221
750601	355	45	42.26	273.98	0.03481	0.00073	0.00073	-0.72497	-0.111221
750601	355	55	42.37	273.52	0.03921	0.00073	0.00073	-0.73647	-0.111221
750601	356	05	42.48	273.06	0.04271	0.00073	0.00073	-0.74797	-0.111221
750601	356	15	42.59	272.60	0.04574	0.00073	0.00073	-0.75947	-0.111221
750601	356	25	42.70	272.14	0.04829	0.00073	0.00073	-0.77097	-0.111221
750601	356	35	42.81	271.68	0.05084	0.00073	0.00073	-0.78247	-0.111221
750601	356	45	42.92	271.22	0.05339	0.00073	0.00073	-0.79397	-0.111221
750601	356	55	43.03	270.76	0.05594	0.00073	0.00073	-0.80547	-0.111221
750601	357	05	43.14	270.30	0.05849	0.00073	0.00073	-0.81697	-0.111221
750601	357	15	43.25	269.84	0.06104	0.00073	0.00073	-0.82847	-0.111221
750601	357	25	43.36	269.38	0.06359	0.00073	0.00073	-0.83997	-0.111221
750601	357	35	43.47	268.92	0.06614	0.00073	0.00073	-0.85147	-0.111221
750601	357	45	43.58	268.46	0.06869	0.00073	0.00073	-0.86297	-0.111221
750601	357	55	43.69	268.00	0.07124	0.00073	0.00073	-0.87447	-0.111221
750601	358	05	43.80	267.54	0.07379	0.00073	0.00073	-0.88597	-0.111221
750601	358	15	43.91	267.08	0.07634	0.00073	0.00073	-0.89747	-0.111221
750601	358	25	44.02	266.62	0.07889	0.00073	0.00073	-0.90897	-0.111221
750601	358	35	44.13	266.16	0.08144	0.00073	0.00073	-0.92047	-0.111221
750601	358	45	44.24	265.70	0.08399	0.00073	0.00073	-0.93197	-0.111221
750601	358	55	44.35	265.24	0.08654	0.00073	0.00073	-0.94347	-0.111221
750601	359	05	44.46	264.78	0.08909	0.00073	0.00073	-0.95497	-0.111221
750601	359	15	44.57	264.32	0.09164	0.00073	0.00073	-0.96647	-0.111221
750601	359	25	44.68	263.86	0.09419	0.00073	0.00073	-0.97797	-0.111221
750601	359	35	44.79	263.40	0.09674	0.00073	0.00073	-0.98947	-0.111221
750601	359	45	44.90	262.94	0.09929	0.00073	0.00073	-1.00097	-0.111221
750601	359	55	45.01	262.48	0.10184	0.00073	0.00073	-1.01247	-0.111221
750601	360	05	45.12	262.02	0.10439	0.00073	0.00073	-1.02397	-0.111221
750601	360	15	45.23	261.56	0.10694	0.00073	0.00073	-1.03547	-0.111221
750601	360	25	45.34	261.10	0.10949	0.00073	0.00073	-1.04697	-0.111221
750601	360	35	45.45	260.64	0.11204	0.00073	0.00073	-1.05847	-0.111221
750601	360	45	45.56	260.18	0.11459	0.00073	0.00073	-1.06997	-0.111221
750601	360	55	45.67	259.72	0.11714	0.00073	0.00073	-1.08147	-0.111221
750601	361	05	45.78	259.26	0.11969	0.00073	0.00073	-1.09297	-0.111221
750601	361	15	45.89	258.80	0.12224	0.00073	0.00073	-1.10447	-0.111221
750601	361	25	46.00	258.34	0.12479	0.00073	0.00073	-1.11597	-0.111221
750601	361	35	46.11	257.88	0.12734	0.00073	0.00073	-1.12747	-0.111221
750601	361	45	46.22	257.42	0.12989	0.00073	0.00073	-1.13897	-0.111221
750601	361	55	46.33	256.96	0.13244	0.00073	0.00073	-1.15047	-0.111221
750601	362	05	46.44	256.50	0.13499	0.00073	0.00073	-1.16197	-0.111221
750601	362	15	46.55	256.04	0.13754	0.00073	0.00073	-1.17347	-0.111221
750601	362	25	46.66	255.58	0.14009	0.00073	0.00073	-1.18497	-0.111221
750601	362	35	46.77	255.12	0.14264	0.00073	0.00073	-1.19647	-0.111221
750601	362	45	46.88	254.66	0.14519	0.00073	0.00073	-1.20797	-0.111221
750601	362	55	46.99	254.20	0.14774	0.00073	0.00073	-1.21947	-0.111221
750601	363	05	47.10	253.74	0.15029	0.00073	0.00073	-1.23097	-0.111221
750601	363	15	47.21	253.28	0.15284	0.00073	0.00073	-1.24247	-0.111221
750601	363	25	47.32	252.82	0.15539	0.00073	0.00073	-1.25397	-0.111221
750601	363	35	47.43	252.36	0.15794	0.00073	0.00073	-1.26547	-0.111221
750601	363	45	47.54	251.90	0.16049	0.00073	0.00073	-1.27697	-0.111221
750601	363	55	47.65	251.44	0.16304	0.00073	0.00073	-1.28847	-0.111221
750601	364	05	47.76	250.98	0.16559	0.00073	0.00073	-1.29997	-0.111221
750601	364	15	47.87	250.52	0.16814	0.00073	0.00073	-1.31147	-0.111221
750601	364	25	47.98	250.06	0.17069	0.00073	0.00073	-1.32297	-0.111221
750601	364	35	48.09	249.60	0.17324	0.00073	0.00073	-1.33447	-0.111221
750601	364	45	48.20	249.14	0.17579	0.00073	0.00073	-1.34597	-0.111221
750601	364	55	48.31	248.68	0.17834	0.00073	0.00073	-1.35747	-0.111221
750601	365	05	48.42	248.22	0.18089	0.00073	0.00073	-1.36897	-0.111221
750601	365	15	48.53	247.76	0.18344	0.00073	0.00073	-1.38047	-0.111221
750601	365	25	48.64	247.30	0.18599	0.00073	0.00073	-1.39197	-0.111221
750601	365	35	48.75	246.84	0.18854	0.00073	0.00073	-1.40347	-0.111221
750601	365	45	48.86	246.38	0.19109	0.00073	0.00073	-1.41497	-0.111221
750601	365	55	48.97	245.92	0.19364	0.00073	0.00073	-1.42647	-0.111221
750601	366	05	49.08	245.46	0.19619	0.00073	0.00073	-1.43797	-0.111221
750601	366	15	49.19	245.00	0.19874	0.00073	0.00073	-1.44947	-0.111221
750601	366	25	49.30	244.54	0.20129	0.00073	0.00073	-1.46097	-0.111221
750601	366	35	49.41	244.08	0.20384	0.00073	0.00073	-1.47247	-0.111221
750601	366	45	49.52	243.62	0.20639	0.00073	0.00073	-1.48397	-0.111221
750601	366	55	49.63	243.16	0.20894	0.00073	0.00073	-1.49547	-0.111221
750601	367	05	49.74	242.70	0.21149	0.00073	0.00073	-1.50697	-0.111221
750601	367	15	49.85	242.24	0.21404	0.00073	0.00073	-1.51847	-0.111221
750601	367	25	49.96	241.78	0.21659	0.00073	0.00073	-1.52997	-0.111221
750601	367	35	50.07	241.32	0.21914	0.00073	0.00073	-1.54147	-0.111221
750601	367	45	50.18	240.86	0.22169	0.00073	0.00073	-1.55297	-0.111221
750601	367	55	50.29	240.40	0.22424	0.00073	0.00073	-1.56447	-0.111221
750601	368	05	50.40	239.94	0.22679	0.00073	0.00073	-1.57597	-0.111221
750601	368	15	50.51	239.48	0.22934	0.00073	0.00073	-1.58747	-0.111221
750601	368	25	50.62	239.02	0.23189	0.00073	0.00073	-1.59897	-0.111221
750601	368	35	50.73	238.56	0.23444	0.00073	0.00073	-1.61047	-0.111221
750601	368	45	50.84	238.10	0.23699	0.00073	0.00073	-1.62197	-0.111221
750601	368	55	50.95	237.64	0.23954	0.00073	0.00073	-1.63347	-0.111221
750601	369	05	51.06	237.18	0.24209	0.00073	0.00073	-1.64497	-0.111221
750601	369	15	51.17	236.72	0.24464	0.00073	0.00073	-1.65647	-0.111221
750601	369	25	51.28	236.26	0.24719	0.00073	0.00073	-1.66797	-0.111221
750601	369	35	51.39	235.80	0.24974	0.00073	0.00073	-1.67947	-0.111221
750601	369	45	51.50	235.34	0.25229	0.00073	0.00073	-1.69097	-0.111221
750601	369	55	51.61	234.88	0.25484	0.00073	0.00073	-1.70247	-0.111221
750601	370	05	51.72	234.42	0.25739	0.00073	0.00073	-1.71397	-0.111221
750601	370	15	51.83	233.96	0.25994	0.00073	0.00073	-1.72547	-0.111221
750601	370	25	51.94	233.50	0.26249	0.00073	0.00073	-1.73697	-0.111221
750601	370	35	52.05	233.04	0.26504	0.00073	0.00073	-1.74847	-0.111221
750601	370	45	52.16	232.58	0.26759	0.00073	0.00073	-1.75997	-0.111221
750601	370	55	52.27	232.12	0.27014	0.00073	0.00073	-1.77147	-0.111221
750601	371	05	52.38	231.66	0.27269	0.00073	0.00073	-1.78297	-0.111221
750601	371	15	52.49	231.20	0.27524	0.00073	0.00073	-1.79447	-0.111221
750601	371	25	52.60	230.74	0.27779	0.00073	0.00073	-1.80597	-0.111221
750601	371	35	52.71	230.28	0.28034	0.00073	0.00073	-1.81747	-0.111221
750601	371	45	52.82	229.82	0.28289	0.00073	0.00073	-1.82897	-0.111221
750601	371	55</							

REVOLUTION 738

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750601	111	35	-12.35	243.24	-0.15210	-0.07507	-0.035111	-0.61282	-0.216560
750601	111	40	-13.39	242.06	-0.15714	-0.0670		-0.56614	
750601	111	45	-13.72	242.07	-0.05770	-0.0491		-0.30455	
750601	112	00	-14.12	242.25	-0.10329	-0.06453		-0.11549	
750601	112	05	-14.45	242.74	-0.0722	-0.05471		-0.12665	
750601	112	10	-15.22	241.73	-0.06689	-0.09223		-0.35223	
750601	112	15	-15.53	241.42	-0.11645	-0.0575	-0.042707	-0.55612	-0.057892
750601	112	20	-16.50	241.11	-0.07233	-0.08112		-0.72675	
750601	112	25	-17.11	241.23	-0.15343	-0.07323		-0.85765	
750601	112	30	-17.44	241.48	-0.13330	-0.05851		-0.91044	
750601	112	35	-18.18	241.17	-0.06351	-0.065573		-0.67251	
750601	112	40	-18.73	240.75	-0.07446	-0.04742		-0.74685	
750601	112	45	-19.24	239.24	-0.02155	-0.04013	-0.023050	-0.64000	-0.567640
750601	112	50	-19.77	239.41	-0.07346	-0.03437		-0.45288	
750601	112	55	-20.20	239.98	-0.09975	-0.02995		-0.27270	
750601	113	00	-20.52	239.50	-0.07209	-0.02033		-0.13265	
750601	113	05	-21.15	239.23	-0.04215	-0.02403		-0.05230	
750601	113	10	-21.38	237.97	-0.10334	-0.03353		-0.07844	
750601	113	15	-22.47	237.57	-0.02632	-0.02222	-0.013026	-0.07502	-0.742595
750601	113	20	-22.57	237.20	-0.02347	-0.02307		-0.13835	
750601	113	25	-23.00	236.90	-0.03114	-0.01762		-0.27339	
750601	113	30	-23.00	236.87	-0.02249	-0.01372		-0.40621	
750601	113	35	-23.60	236.23	-0.07221	-0.00555		-0.53982	
750601	113	40	-24.00	235.00	-0.1739	-0.01247		-0.65183	
750601	113	45	-25.00	234.50	-0.03712	-0.02432	-0.032773	-0.72822	-0.270774
750601	113	50	-25.00	234.10	-0.04473	-0.1137		-0.75265	
750601	113	55	-25.00	234.00	-0.04441	-0.01506		-0.71533	
750601	114	00	-27.00	234.00	-0.10152	-0.02552		-0.61348	
750601	114	05	-27.00	234.13	-0.02544	-0.03773		-0.45735	
750601	114	10	-28.15	233.77	-0.05555	-0.03441		-0.26568	
750601	114	15	-28.00	233.41	-0.04574	-0.03211	-0.015753	-0.00775	-0.472527
750601	114	20	-28.00	233.04	-0.04303	-0.0387		-0.14719	
750601	114	25	-28.00	232.07	-0.12805	-0.0337		-0.34135	
750601	114	30	-30.23	232.04	-0.06042	-0.0207		-0.47903	
750601	114	35	-30.74	231.34	-0.01274	-0.02442		-0.56263	
750601	114	40	-31.24	231.05	-0.02137	-0.01823		-0.64461	
750601	114	45	-31.77	231.15	-0.03368	-0.01150	-0.01253	-0.06822	-0.706163
750601	114	50	-32.00	230.73	-0.04079	-0.0047		-0.55533	
750601	114	55	-32.00	230.37	-0.03107	-0.00170		-0.60612	
750601	115	00	-33.00	229.09	-0.02555	-0.00741		-0.52583	
750601	115	05	-33.31	229.09	-0.00709	-0.01207		-0.42583	
750601	115	10	-34.32	228.10	-0.00907	-0.01580		-0.31950	
750601	115	15	-34.33	228.70	-0.04827	-0.01591		-0.21827	
750601	115	20	-34.33	228.00	-0.02244	-0.02197		-0.12959	
750601	115	25	-34.36	227.04	-0.03280	-0.02317		-0.05766	
750601	115	30	-34.36	227.04	-0.01117	-0.02353		-0.00236	

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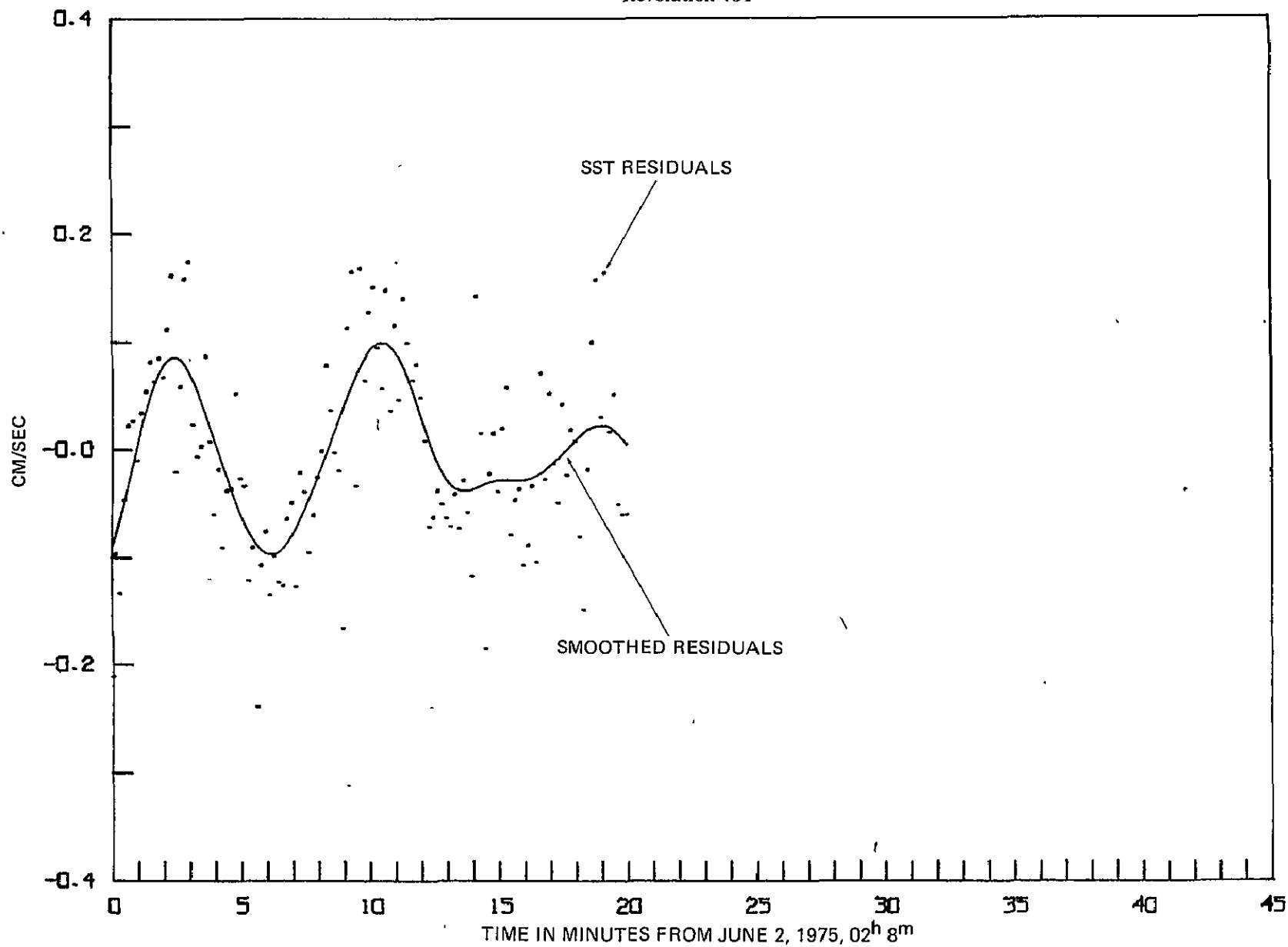


GEOS-3 Revolution No. 751

June 2, 1975, 2<sup>h</sup> 8<sup>m</sup>

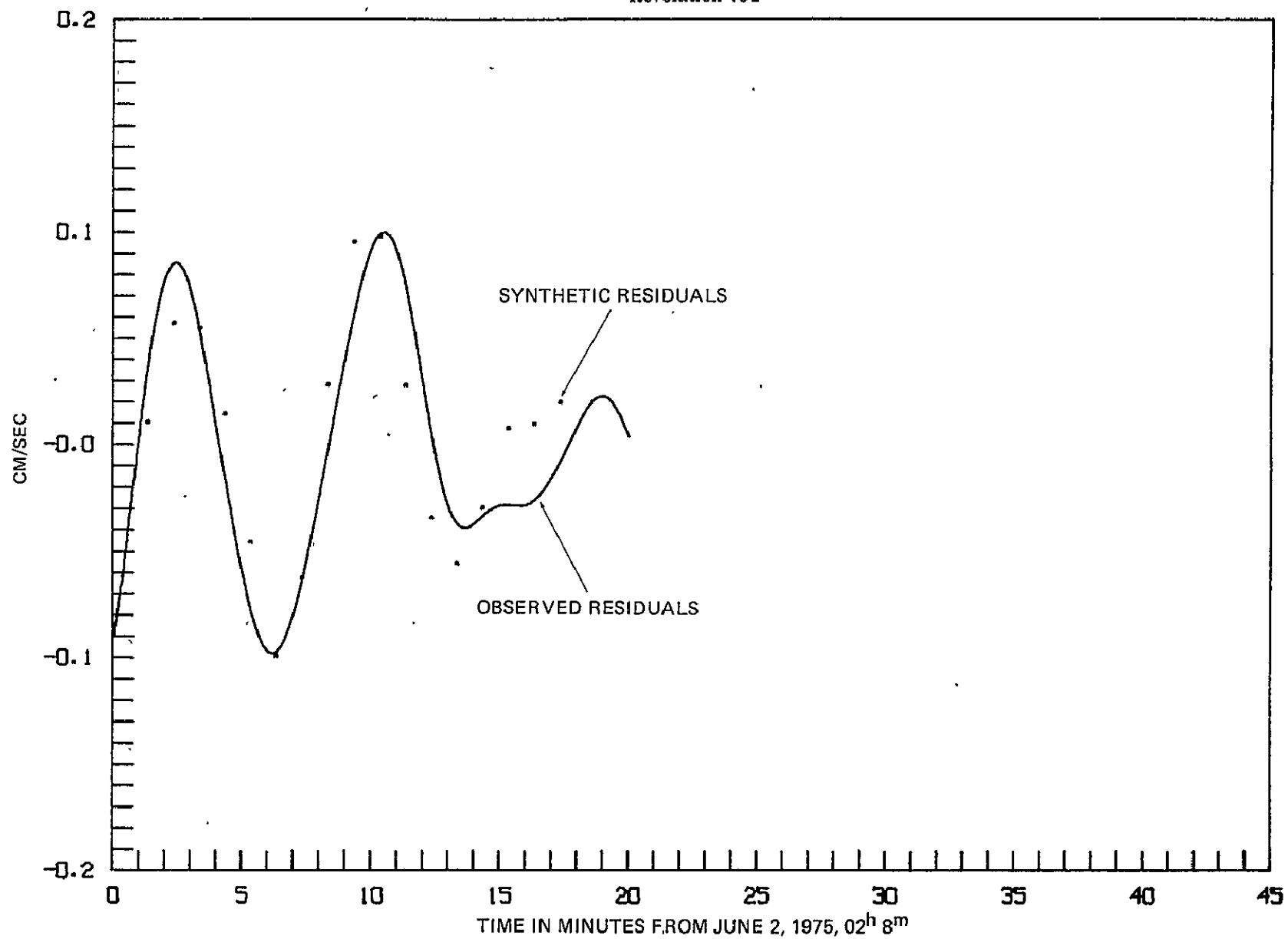
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 751

A-186



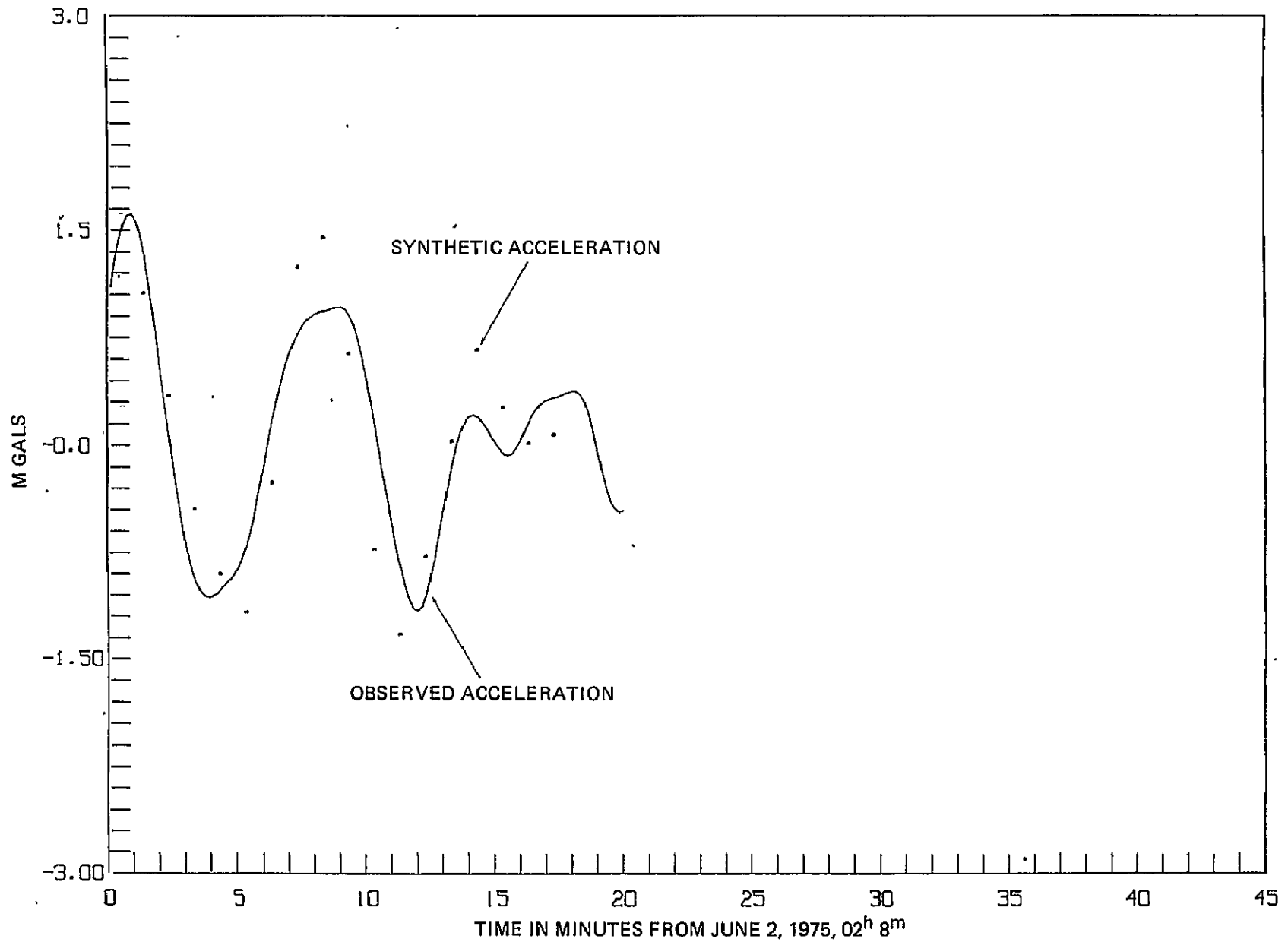
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 751

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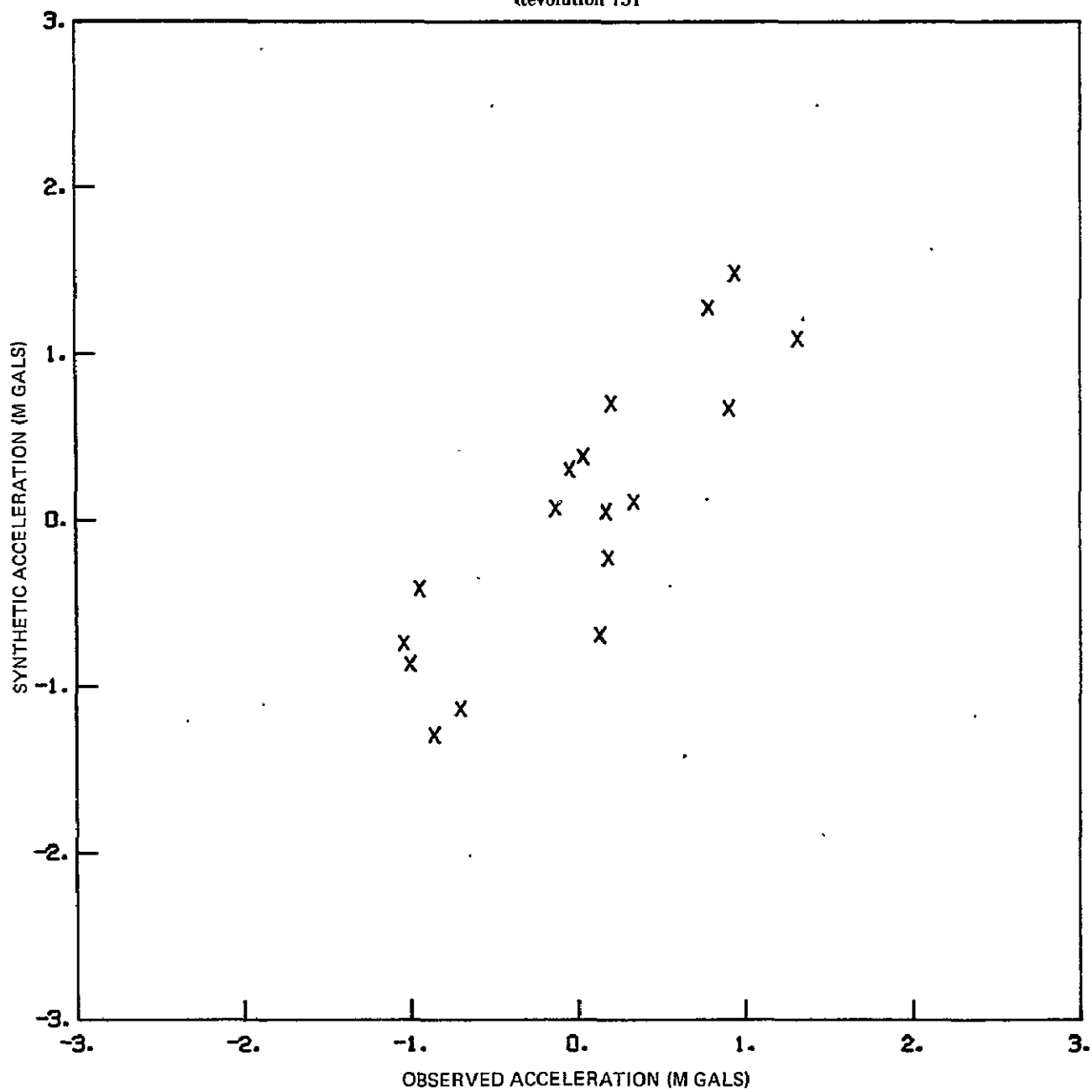


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 751

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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 751



REVOLUTION 751

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750602	2 8	35	7.15	285.00	-0.20743	-0.08912		1.10762	
750602	2 8	45	6.61	284.71	-0.09213	-0.07586		1.28721	
750602	2 8	55	6.07	284.41	-0.12956	-0.06115	-0.055606	1.43766	1.208413
750602	2 9	5	5.54	284.12	-0.04197	-0.04526		1.54663	
750602	2 9	15	5.00	283.82	0.02700	-0.02853		1.60550	
750602	2 9	25	4.46	283.53	0.03074	0.01135		1.61027	
750602	2 9	35	3.92	283.24	-0.00606	0.00580		1.56085	
750602	2 9	45	3.39	282.95	0.03890	0.02235		1.46046	
750602	2 9	55	2.85	282.66	0.05892	0.03775	0.012899	1.31552	1.092218
750602	210	5	2.31	282.36	0.08650	0.05151		1.13505	
750602	210	15	1.77	282.07	0.06760	0.03222		0.92930	
750602	210	25	1.24	281.78	0.08978	0.07259		0.74078	
750602	210	35	0.70	281.49	0.07161	0.07947		0.47870	
750602	210	45	0.16	281.20	0.11701	0.08379		0.28855	
750602	210	55	-0.38	280.91	0.16620	0.08559	0.059544	0.02476	0.380194
750602	211	5	-0.92	280.62	-0.01663	0.08455		-0.18816	
750602	211	15	-1.45	280.33	0.00359	0.08157		-0.38624	
750602	211	25	-1.99	280.04	0.16297	0.07688		-0.56767	
750602	211	35	-2.53	279.75	0.17882	0.06955		-0.72562	
750602	211	45	-3.07	279.45	0.02734	0.06149		-0.85533	
750602	211	55	-3.61	279.16	-0.00226	0.05172	0.056907	-0.95259	-0.412599
750602	212	5	-4.14	278.87	0.00809	0.04046		-1.01857	
750602	212	15	-4.68	278.58	0.09186	0.02949		-1.05668	
750602	212	25	-5.22	278.29	0.01176	0.01766		-1.07031	
750602	212	35	-5.76	277.99	0.05601	0.00568		-1.06328	
750602	212	45	-6.29	277.70	-0.01345	-0.00528	0.016792	-1.04147	-0.867395
750602	212	55	-6.83	277.41	-0.08664	-0.01807		-1.01143	
750602	213	5	-7.37	277.11	-0.03286	-0.02959		-0.97847	
750602	213	15	-7.90	276.82	-0.03142	-0.04072		-0.94493	
750602	213	25	-8.44	276.52	0.05751	-0.05133		-0.90828	
750602	213	35	-8.98	276.22	-0.02240	-0.06127		-0.86143	
750602	213	45	-9.51	275.93	0.02944	-0.07032		-0.79571	
750602	213	55	-10.05	275.63	0.11746	0.07050	0.043460	-0.70496	1.136563
750602	214	5	-10.59	275.33	-0.08574	-0.08544		-0.58776	
750602	214	15	-11.12	275.03	-0.23482	-0.09102		-0.44789	
750602	214	25	-11.66	274.73	-0.10205	-0.09510		-0.29331	
750602	214	35	-12.19	274.43	-0.07087	-0.09754		-0.13316	
750602	214	45	-12.73	274.12	-0.13045	-0.08426		-0.02575	
750602	214	55	-13.26	273.82	-0.09317	-0.09728	-0.096927	-0.17806	-0.226344
750602	215	5	-13.79	273.51	-0.11857	-0.09469		-0.31920	
750602	215	15	-14.33	273.21	-0.12164	-0.09062		-0.44501	
750602	215	25	-14.86	272.90	-0.05915	-0.08521		-0.55482	
750602	215	35	-15.39	272.59	-0.04461	-0.07862		-0.64642	
750602	215	45	-15.93	272.28	-0.12338	-0.07103		-0.72183	
750602	215	55	-16.46	271.97	-0.01626	-0.06261	-0.059947	-0.78276	1.278853
750602	216	5	-16.99	271.66	-0.03489	-0.05350		-0.83111	
750602	216	15	-17.52	271.34	-0.09165	-0.03365		-0.86915	
750602	216	25	-18.05	271.03	-0.05579	-0.03381		-0.89786	
750602	216	35	-18.59	270.74	-0.08049	-0.02577		-0.91744	
750602	216	45	-19.12	270.43	0.00354	-0.01290		-0.92925	
750602	216	55	-19.65	270.07	0.08309	-0.00214	0.030566	-0.93634	1.485562
750602	217	5	-20.17	269.75	0.04075	0.00879		-0.94285	
750602	217	15	-20.70	269.42	0.00143	0.01982		-0.95142	
750602	217	25	-21.23	269.09	-0.01558	0.03083		-0.95956	
750602	217	35	-21.76	268.77	-0.16174	0.04169		-0.96106	
750602	217	45	-22.29	268.43	0.11818	0.05222		-0.94393	
750602	217	55	-22.81	268.10	-0.16947	0.06320	0.047893	-0.90034	0.670876
750602	218	5	-23.34	267.77	-0.02983	0.07170		-0.82842	
750602	218	15	-23.87	267.43	0.17272	0.08013		-0.72867	
750602	218	25	-24.39	267.09	0.06830	0.08733		-0.60325	
750602	218	35	-24.91	266.75	0.13240	0.09308		-0.45688	
750602	218	45	-25.44	266.40	0.15482	0.09718		-0.29516	
750602	218	55	-25.96	266.05	0.09911	0.09948	0.100110	-0.12452	-0.691877
750602	219	5	-26.48	265.70	0.06091	0.09989		-0.04966	
750602	219	15	-27.00	265.35	0.15271	0.09833		-0.22408	
750602	219	25	-27.52	264.99	0.04037	0.09483		-0.39570	
750602	219	35	-28.04	264.63	0.12013	0.08942		-0.56204	
750602	219	45	-28.56	264.27	0.05012	0.08223		-0.71998	
750602	219	55	-29.08	263.91	0.14472	0.07340	0.030092	-0.86478	-1.293414
750602	220	5	-29.60	263.54	0.10337	0.06319		-0.98949	
750602	220	15	-30.12	263.17	0.06868	0.05189		-1.08530	
750602	220	25	-30.63	262.79	0.08388	0.03987		-1.14394	
750602	220	35	-31.16	262.41	0.05243	0.02754		-1.15886	
750602	220	45	-31.66	262.03	0.01219	0.01534		-1.12654	
750602	220	55	-32.17	261.65	-0.06726	0.00369	-0.032011	-1.04819	-0.740505
750602	221	5	-32.68	261.26	-0.05793	-0.00703		-0.93044	
750602	221	15	-33.20	260.86	-0.03345	-0.01646		-0.78368	
750602	221	25	-33.71	260.46	-0.04676	-0.02474		-0.61947	
750602	221	35	-34.21	260.06	-0.05934	-0.03054		-0.44918	
750602	221	45	-34.72	259.66	-0.06692	-0.03501		-0.28369	
750602	221	55	-35.23	259.24	-0.03648	-0.03785	-0.053629	-0.13279	0.069391
750602	222	5	-35.73	258.83	-0.06911	-0.03921		-0.00432	
750602	222	15	-36.24	258.41	-0.02381	-0.03935		-0.09616	
750602	222	25	-36.74	257.98	-0.05437	-0.03854		-0.16549	
750602	222	35	-37.24	257.55	-0.11353	-0.03710		-0.20303	
750602	222	45	-37.74	257.12	0.14687	-0.03531		-0.21068	
750602	222	55	-38.24	256.68	0.01877	-0.03338	-0.027222	-0.19471	0.702391
750602	223	5	-38.74	256.23	-0.18115	-0.03157		-0.16343	

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REVOLUTION 751

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750602	223	16.	-39.23	255.78	-0.01764	-0.03013		0.12148	
750602	223	26.	-39.73	255.32	-0.01951	-0.02912		0.07201	
750602	223	36.	-40.22	254.86	-0.03517	-0.02854		0.02071	
750602	223	46.	-40.71	254.39	-0.02402	-0.02835		0.02307	
750602	223	56.	-41.20	253.92	-0.06218	-0.02844	0.009982	-0.05740	0.301592
750602	224	6.	-41.69	253.43	-0.07554	-0.02864		-0.06877	
750602	224	16.	-42.17	252.94	-0.04228	-0.02882		-0.05545	
750602	224	26.	-42.65	252.45	-0.03185	-0.02878		-0.01884	
750602	224	36.	-43.14	251.95	-0.10336	-0.03836		0.03601	
750602	224	46.	-43.62	251.44	-0.08410	-0.02746		0.10075	
750602	224	56.	-44.09	250.92	-0.02924	-0.02602	0.011957	0.16566	0.050188
750602	225	6.	-44.57	250.39	-0.10033	-0.02402		0.22226	
750602	225	16.	-45.04	249.86	0.07587	-0.02152		0.26533	
750602	225	26.	-45.52	249.32	-0.02351	-0.01857		0.29408	
750602	225	36.	-45.99	248.77	0.05675	-0.01524		0.31191	
750602	225	46.	-46.45	248.21	-0.00915	-0.01164		0.32359	
750602	225	56.	-46.92	247.65	-0.04551	-0.00783	0.022258	0.33360	0.111457
750602	226	6.	-47.38	247.07	0.04667	-0.00387		0.34418	
750602	226	16.	-47.84	246.48	-0.01969	0.00021		0.35603	
750602	226	26.	-48.30	245.89	0.02330	0.00436		0.36819	
750602	226	36.	-48.75	245.29	0.01219	0.00858		0.37690	
750602	226	46.	-49.20	244.67	-0.07698	0.01263		0.37551	
750602	226	56.	-49.65	244.04	-0.14451	0.01627		0.35394	
750602	227	6.	-50.09	243.41	-0.01357	0.01923		0.30139	
750602	227	16.	-50.54	242.76	0.10466	0.02134		0.21280	
750602	227	26.	-50.98	242.10	0.16220	0.02247		0.09367	
750602	227	36.	-51.41	241.43	0.03405	0.02255		-0.04194	
750602	227	46.	-51.84	240.75	0.16825	0.02151		0.17749	
750602	227	56.	-52.27	240.06	0.02063	0.01941		-0.29652	
750602	228	6.	-52.70	239.35	0.05610	0.01631		-0.38806	
750602	228	16.	-53.12	238.63	-0.04670	0.01239		-0.44532	
750602	228	26.	-53.53	237.90	-0.05608	0.00789		-0.46722	
750602	228	36.	-53.95	237.15	-0.05585	0.00311		-0.45553	

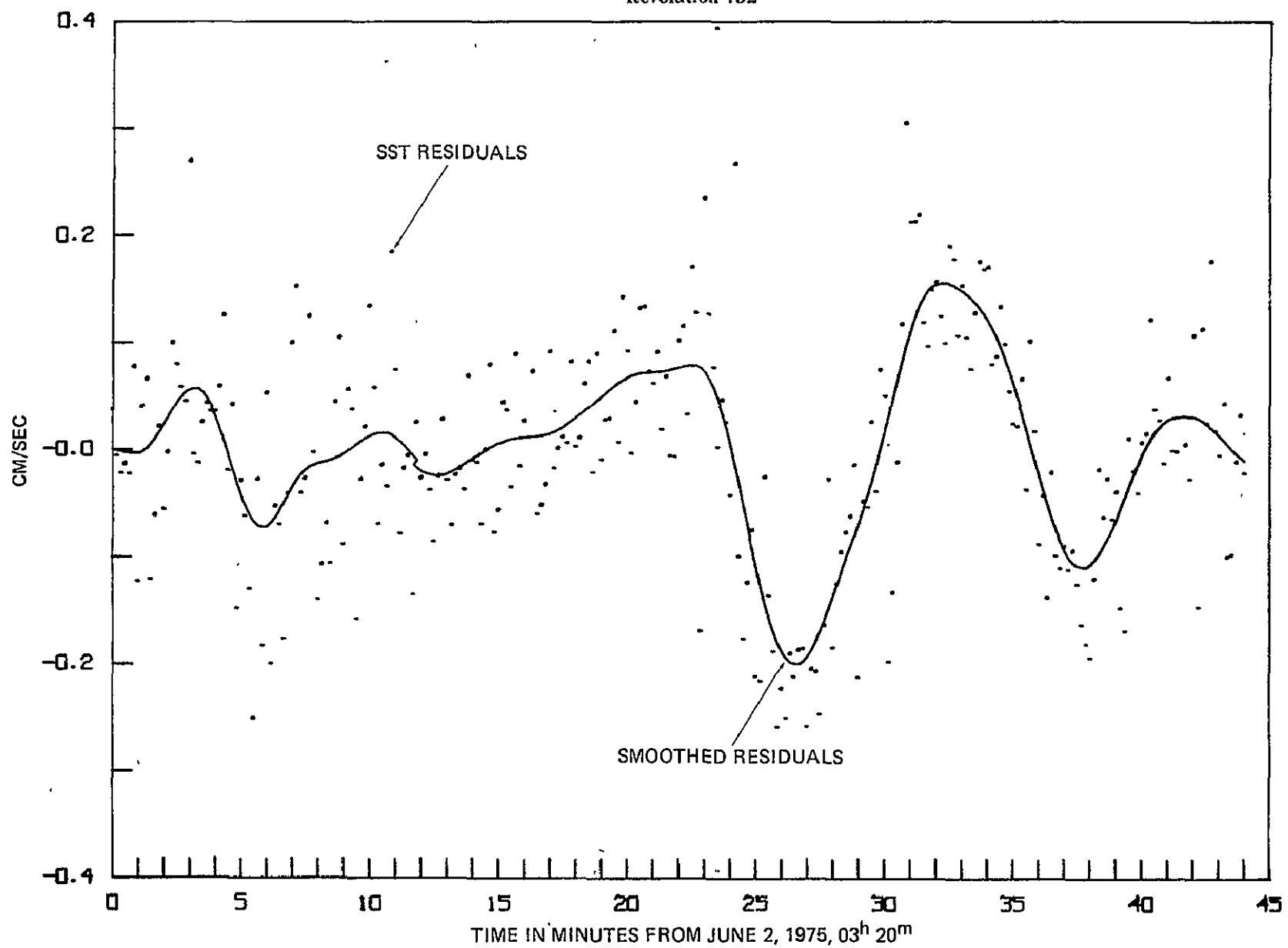
GEOS-3 Revolution No. 752 .

June 2, 1975, 3<sup>h</sup> 20<sup>m</sup>



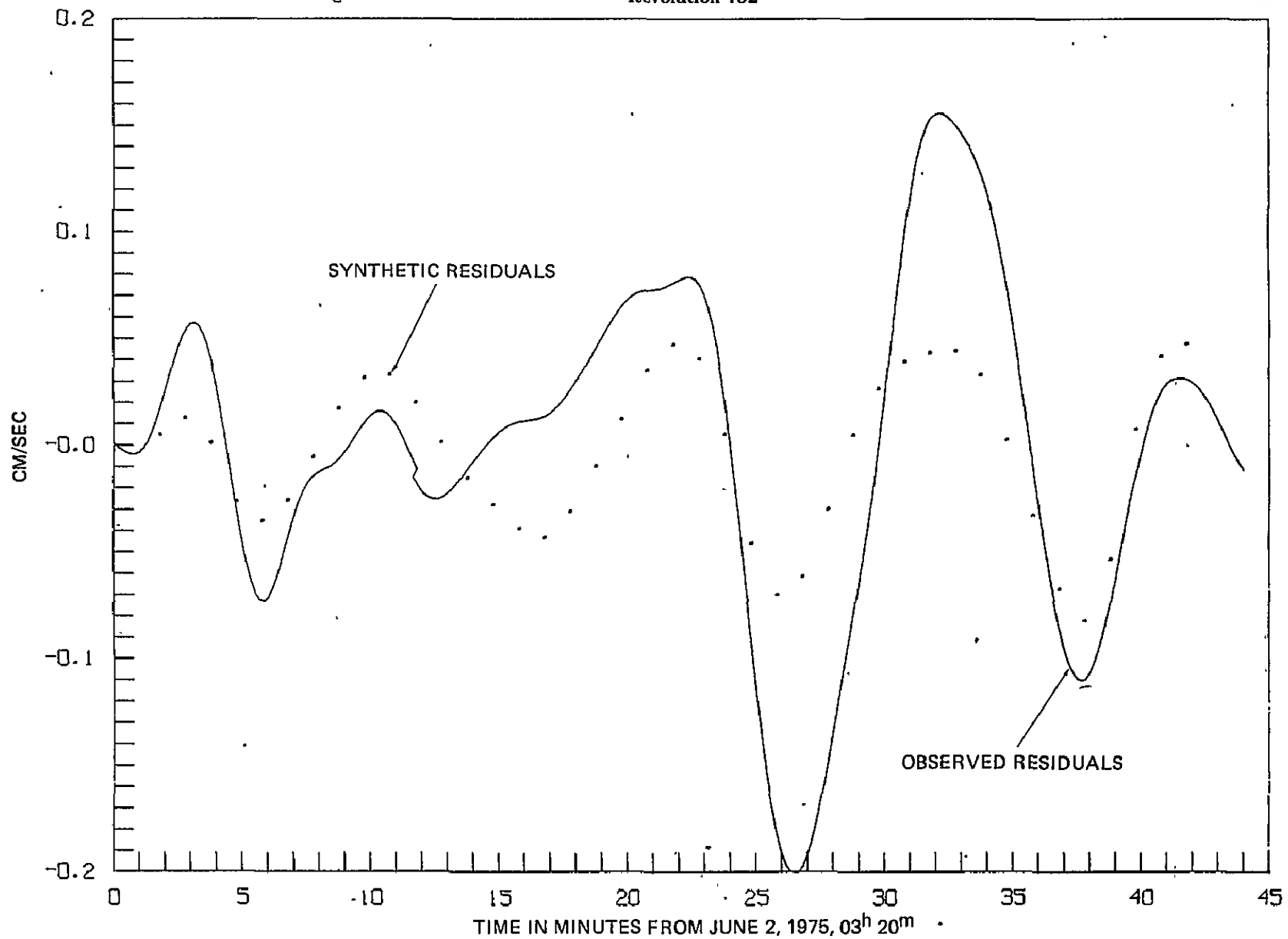
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 752

A-193



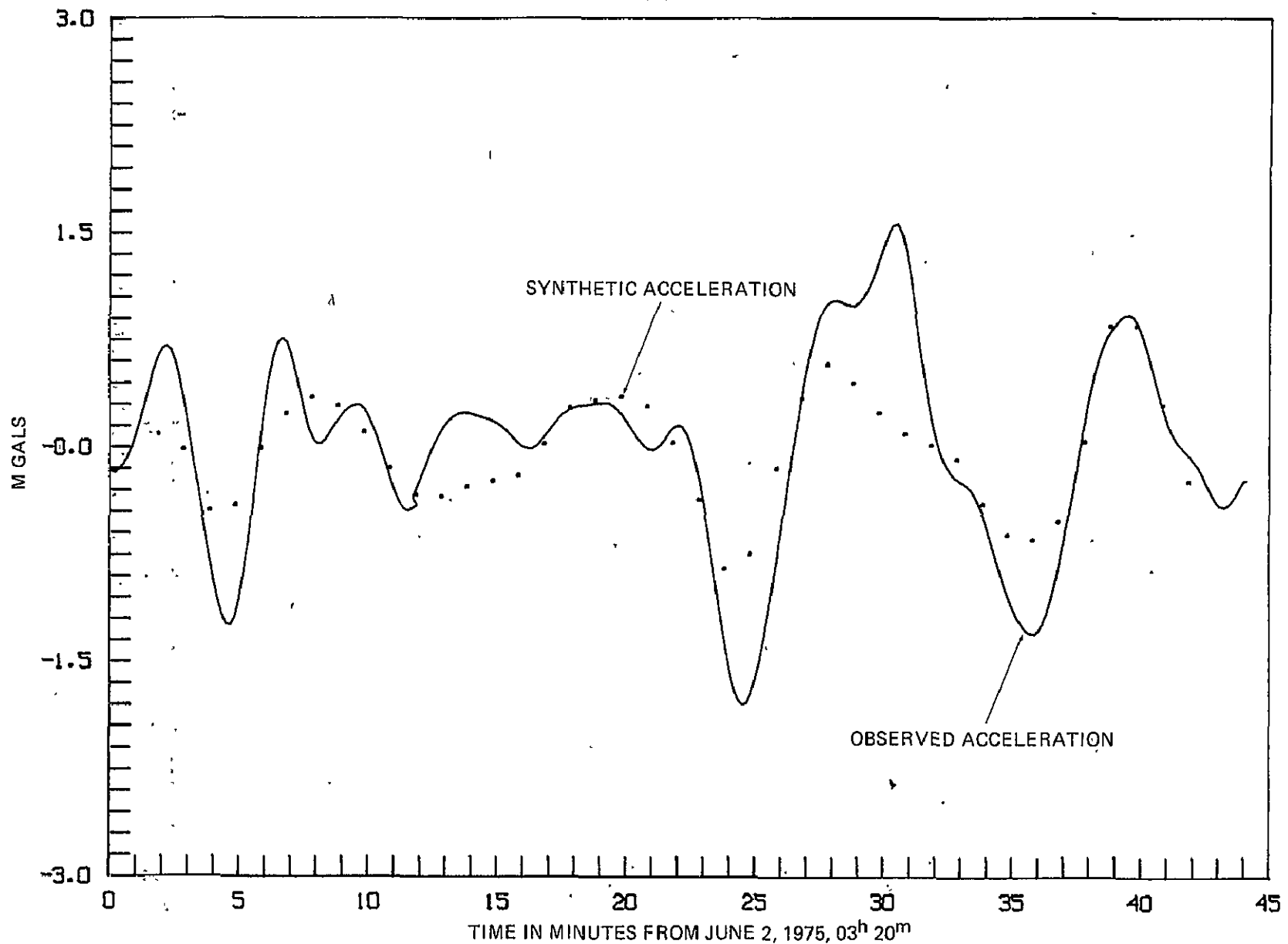
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Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 752

A-194

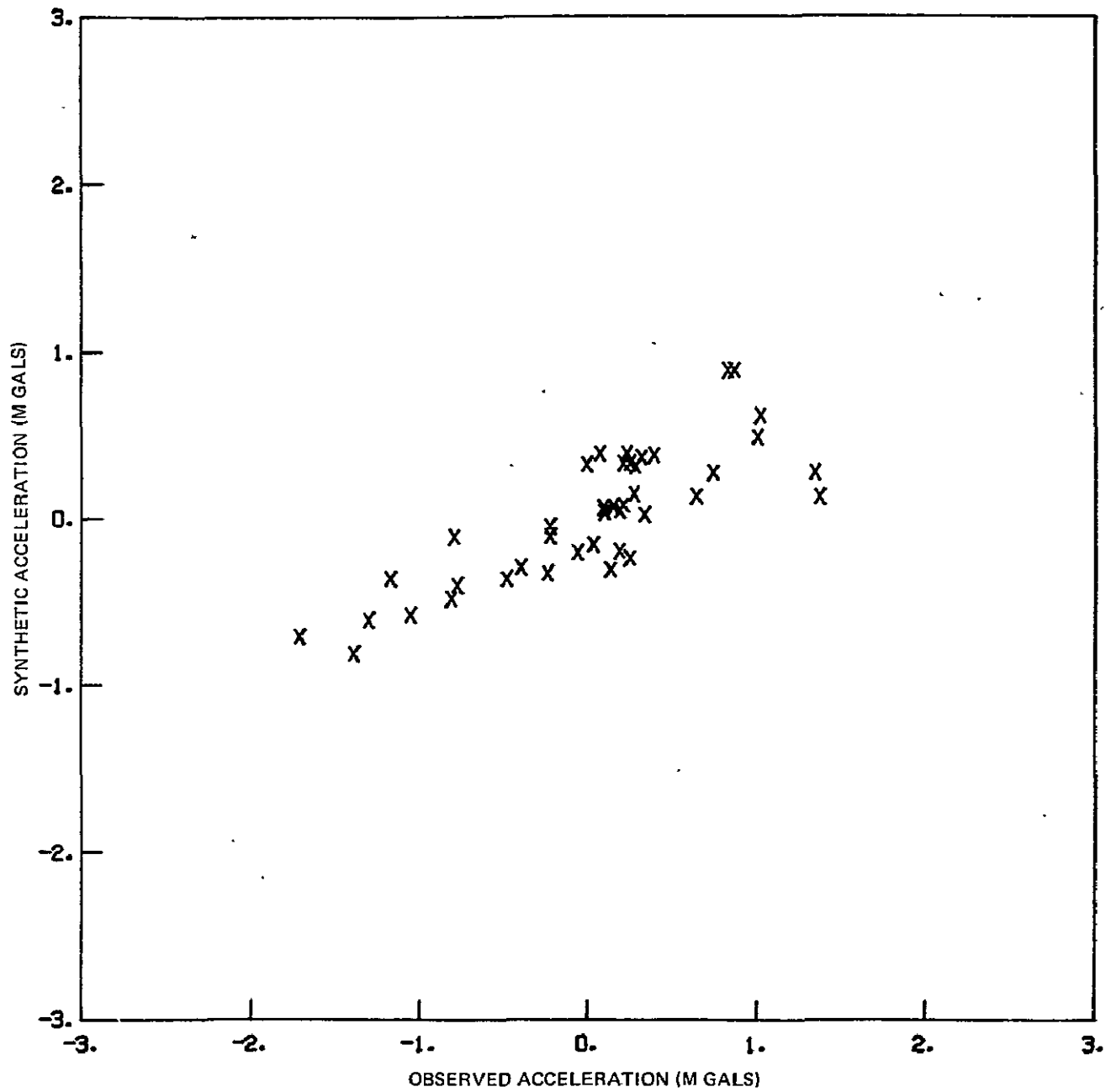


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 752

A-195



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 752



REVOLUTION 752

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750602	320	34.	56.57	39.20	0.04259	0.00049		0.17371	
750602	320	44.	56.94	38.34	-0.00137	-0.00121		-0.16924	
750602	320	54.	57.32	37.46	-0.01758	-0.00269		-0.15026	
750602	321	4.	57.68	36.56	-0.00813	-0.00382		-0.11492	
750602	321	14.	58.04	35.65	-0.01856	-0.00442		-0.06212	
750602	321	24.	58.40	34.72	-0.08266	-0.00431		-0.00863	
750602	321	34.	58.74	33.77	-0.11903	-0.00332		-0.09716	
750602	321	44.	59.08	32.80	0.04518	-0.00133		0.20041	
750602	321	54.	59.42	31.81	0.07657	0.00179		0.31384	
750602	322	4.	59.75	30.81	-0.11687	0.00608		0.43138	
750602	322	14.	60.07	29.79	-0.05600	0.01142		0.54278	
750602	322	24.	60.38	28.74	0.02647	0.01764	0.007310	0.63466	0.131217
750602	322	34.	60.68	27.68	-0.05155	0.02450		0.69456	
750602	322	44.	60.98	26.60	-0.00243	0.03163		0.71225	
750602	322	54.	61.27	25.50	0.10473	0.03861		0.62153	
750602	323	4.	61.55	24.38	0.08364	0.04503		0.60246	
750602	323	14.	61.82	23.24	0.06266	0.05044		0.58849	
750602	323	24.	62.09	22.09	0.04950	0.05444	0.015183	0.32402	0.021365
750602	323	34.	62.34	20.91	0.27472	0.05675		0.14361	
750602	323	44.	62.58	19.71	-0.00016	0.05720		-0.04789	
750602	323	54.	62.82	18.50	-0.00809	0.05557		-0.24028	
750602	324	4.	63.04	17.27	-0.03048	0.05180		-0.42901	
750602	324	14.	63.26	16.02	0.04840	0.04593		-0.61172	
750602	324	24.	63.46	14.75	0.04051	0.03808	0.003567	-0.78522	-0.403827
750602	324	34.	63.66	13.46	0.04049	0.02845		-0.94423	
750602	324	44.	63.84	12.16	0.06413	0.01732		-1.08081	
750602	324	54.	64.01	10.84	0.13044	0.00507		-1.18410	
750602	325	4.	64.17	9.51	-0.01531	-0.00784		-1.24143	
750602	325	14.	64.32	8.16	0.04715	-0.02091		-1.24231	
750602	325	24.	64.46	6.80	-0.1A41A	-0.03357	-0.02395A	-1.18124	-0.362902
750602	325	34.	64.58	5.43	-0.02379	-0.04526		-1.05927	
750602	325	44.	64.69	4.04	-0.05772	-0.05541		-0.88293	
750602	325	54.	64.79	2.64	-0.12606	-0.06355		-0.66267	
750602	326	4.	64.88	1.24	-0.24677	-0.06936		-0.41393	
750602	326	14.	64.96	359.62	-0.02302	-0.07268		-0.15615	
750602	326	24.	65.02	358.40	-0.17865	-0.07343	-0.032882	-0.09221	0.032989
750602	326	34.	65.07	356.98	0.05780	-0.07175		0.31595	
750602	326	44.	65.11	355.54	-0.19525	-0.06790		0.50361	
750602	326	54.	65.13	354.11	-0.04761	-0.06235		0.64562	
750602	327	4.	65.14	352.67	-0.06544	-0.05561		0.73385	
750602	327	14.	65.14	351.24	-0.17246	-0.04826		0.76348	
750602	327	24.	65.13	349.80	-0.03613	-0.04089	-0.023108	0.73305	0.273246
750602	327	34.	65.10	348.37	0.10504	-0.03396		0.64803	
750602	327	44.	65.06	346.94	0.15740	-0.02780		0.52403	
750602	327	54.	65.01	345.51	-0.03629	-0.02266		0.38348	
750602	328	4.	64.94	344.09	-0.02187	-0.01858		0.24804	
750602	328	14.	64.86	342.68	0.12965	-0.01580		0.13498	
750602	328	24.	64.77	341.28	0.00181	-0.01378	-0.002597	0.05792	0.388276
750602	328	34.	64.67	339.88	-0.13638	-0.01256		0.02362	
750602	328	44.	64.55	338.50	-0.10185	-0.01129		0.02843	
750602	328	54.	64.42	337.13	-0.06325	-0.01031		0.06110	
750602	329	4.	64.28	335.77	-0.10154	-0.00915		0.10811	
750602	329	14.	64.13	334.43	0.04996	-0.00766		0.15745	
750602	329	24.	63.97	333.10	0.10956	-0.00571	0.019993	0.20207	0.328696
750602	329	34.	63.79	331.78	-0.08424	-0.00330		0.24015	
750602	329	44.	63.61	330.49	0.06145	-0.00053		0.27054	
750602	329	54.	63.41	329.20	-0.04202	-0.00260		0.29156	
750602	330	4.	63.21	327.94	-0.15370	0.00563		0.30077	
750602	330	14.	62.99	326.69	-0.02221	0.00862		0.29277	
750602	330	24.	62.76	325.47	0.02634	0.01130	0.034346	0.26218	0.144087
750602	330	34.	62.52	324.26	0.13960	0.01355		0.20844	
750602	330	44.	62.28	323.07	0.06235	0.01522		0.13635	
750602	330	54.	62.02	321.89	-0.06467	0.01611		0.05244	
750602	331	4.	61.76	320.74	-0.00876	0.01606		-0.03912	
750602	331	14.	61.48	319.61	-0.02945	0.01500		-0.13542	
750602	331	24.	61.20	318.49	0.18967	0.01297	0.035929	-0.23167	-0.108245
750602	331	34.	60.91	317.40	0.07884	0.01011		-0.31883	
750602	331	44.	60.61	316.32	-0.07354	0.00663		-0.38672	
750602	331	54.	60.30	315.27	-0.01229	0.00236		-0.42983	
750602	332	4.	59.99	314.23	-0.00031	-0.00216		-0.44690	
750602	332	14.	59.34	312.21	0.03054	-0.01119	0.022652	-0.40644	-0.295806
750602	332	24.	59.67	313.21	-0.13106	-0.01523		-0.35400	
750602	332	34.	59.00	311.23	-0.02107	-0.02169		-0.21229	
750602	332	44.	58.66	310.27	0.00038	-0.02343		-0.13514	
750602	332	54.	58.31	309.32	-0.03336	-0.02484		-0.05937	
750602	333	4.	57.96	308.39	-0.08136	-0.02220		-0.01172	
750602	333	14.	57.59	307.48	-0.01931	-0.02496		0.07475	
750602	333	24.	57.23	306.59	0.03275	-0.02402	0.003923	0.12767	-0.308827
750602	333	34.	56.85	305.71	-0.02428	-0.02250		0.17060	
750602	333	44.	56.48	304.85	-0.06579	-0.02054		0.20406	
750602	333	54.	56.09	304.01	-0.01858	-0.01827		0.22755	
750602	334	4.	55.70	303.18	-0.01261	-0.01579		0.24058	
750602	334	14.	55.31	302.37	-0.03304	-0.01318		0.24382	
750602	334	24.	54.91	301.58	0.07367	-0.01052	-0.012771	0.23924	-0.240032
750602	334	34.	54.51	300.79	-0.00571	-0.00785		0.23038	
750602	334	44.	54.10	300.03	-0.00761	-0.00523		0.22076	
750602	334	54.	53.69	299.27	-0.06486	-0.00271		0.21173	
750602	335	4.	53.27	298.54	0.00479	-0.00033		0.20252	
750602	335	14.	52.85	297.81	0.08433	0.00192		0.19151	

REVOLUTION 752

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750602	335	24.	52.43	297.10	-0.07267	0.00403	-0.025393	0.17960	-0.196842
750602	335	34.	52.00	296.40	-0.05148	0.00592		0.16417	
750602	335	44.	51.57	295.71	0.04934	0.00755		0.14298	
750602	335	54.	51.13	295.03	0.04132	0.00893		0.11548	
750602	336	4.	50.69	294.37	-0.03067	0.01002		0.08380	
750602	336	14.	50.25	293.72	0.09426	0.01082		0.05108	
750602	336	24.	49.81	293.08	-0.01134	0.01137	-0.036475	0.02157	-0.157800
750602	336	34.	49.36	292.45	0.03162	0.01142		0.00015	
750602	336	44.	48.91	291.83	0.01533	0.01195		-0.00993	
750602	336	54.	48.45	291.22	0.07789	0.01218		-0.00600	
750602	337	4.	48.00	290.62	-0.03501	0.01233		0.01290	
750602	337	15.	47.54	290.03	-0.04689	0.01311		0.04468	
750602	337	25.	47.08	289.45	-0.02769	0.01345	-0.046682	0.08366	0.063592
750602	337	35.	46.61	288.88	0.09651	0.01512		0.12437	
750602	337	45.	46.14	288.32	-0.01336	0.01676		0.16366	
750602	337	55.	45.68	287.77	0.00596	0.01877		0.19965	
750602	338	4.	45.20	287.22	0.01632	0.02113		0.23033	
750602	338	15.	44.73	286.69	0.01023	0.02378		0.25434	
750602	338	25.	44.25	286.19	0.08710	0.02668	-0.028270	0.27151	0.313683
750602	338	35.	43.78	285.64	0.00663	0.02980		0.28316	
750602	338	45.	43.30	285.12	0.01581	0.03305		0.29094	
750602	338	55.	42.81	284.62	0.06658	0.03640		0.29600	
750602	339	4.	42.33	284.12	0.08701	0.03955		0.26987	
750602	339	15.	41.84	283.63	-0.01726	0.04337		0.30422	
750602	339	25.	41.36	283.14	0.09471	0.04652	-0.007001	0.30892	0.365723
750602	339	35.	40.87	282.67	-0.00537	0.05047		0.31254	
750602	339	45.	40.38	282.19	0.03243	0.05396		0.31214	
750602	339	55.	39.88	281.73	0.03387	0.05732		0.30413	
750602	340	4.	39.30	281.27	0.11580	0.06050		0.28595	
750602	340	15.	38.89	280.82	0.01095	0.06343		0.25731	
750602	340	25.	38.40	280.37	0.14776	0.06602	0.015062	0.21961	0.390022
750602	340	35.	37.90	279.93	0.05649	0.06822		0.17586	
750602	340	45.	37.40	279.49	0.00076	0.06998		0.12996	
750602	340	55.	36.90	279.06	0.04950	0.07125		0.08436	
750602	341	4.	36.39	278.63	0.13714	0.07267		0.04130	
750602	341	15.	35.89	278.21	0.13832	0.07257		0.00534	
750602	341	25.	35.38	277.79	0.07738	0.07285	0.037968	-0.01743	0.322638
750602	341	35.	34.88	277.38	0.06608	0.07304		-0.02249	
750602	341	45.	34.37	276.97	0.09577	0.07326		-0.00866	
750602	341	55.	33.86	276.57	0.02306	0.07366		-0.02188	
750602	342	4.	33.35	276.17	0.07348	0.07430		0.06326	
750602	342	15.	32.84	275.77	-0.00174	0.07521		0.10635	
750602	342	25.	32.33	275.38	0.00217	0.07629	0.050022	0.13955	0.067425
750602	342	35.	31.82	274.99	0.10717	0.07741		0.15259	
750602	342	45.	31.30	274.61	0.12071	0.07839		0.13630	
750602	342	55.	30.79	274.23	0.03727	0.07896		0.08759	
750602	343	4.	30.27	273.85	0.17525	0.07877		0.00579	
750602	343	15.	29.76	273.48	0.13254	0.07753		-0.10718	
750602	343	25.	29.24	273.11	-0.16473	0.07487	0.043162	-0.24822	-0.332640
750602	343	35.	28.72	272.74	0.23940	0.07045		-0.41599	
750602	343	45.	28.20	272.38	0.13100	0.06613		0.06061	
750602	343	55.	27.68	272.02	0.08103	0.05577		-0.08885	
750602	344	4.	27.16	271.66	0.00644	0.04525		-1.01411	
750602	344	15.	26.64	271.31	0.05173	0.03257		-1.21335	
750602	344	25.	26.12	270.96	0.02993	0.01785	0.007802	-1.35847	-0.814641
750602	344	35.	25.59	270.61	-0.03830	0.00132		-1.56054	
750602	344	45.	25.07	270.26	0.27219	-0.01668		-1.68956	
750602	344	55.	24.54	269.92	-0.09531	-0.03560		-1.77370	
750602	345	4.	24.02	269.58	-0.17181	-0.05515		-1.86511	
750602	345	15.	23.49	269.24	-0.11889	-0.07489		-1.78537	
750602	345	25.	22.97	268.91	-0.07009	-0.09431	-0.043391	-1.72126	-0.711120
750602	345	35.	22.44	268.57	-0.20730	-0.11295		-1.62073	
750602	345	45.	21.91	268.24	-0.21144	-0.13047		-1.49233	
750602	345	55.	21.39	267.91	-0.02064	-0.14651		-1.34381	
750602	346	4.	20.86	267.58	-0.13196	-0.16075		-1.17836	
750602	346	15.	20.33	267.26	-0.18416	-0.17299		-0.99632	
750602	346	25.	19.80	266.94	-0.25498	-0.18312	0.067585	-0.79973	0.110226
750602	346	35.	19.27	266.61	-0.21785	-0.19106		-0.59362	
750602	346	45.	18.74	266.29	-0.24616	-0.19673		-0.36455	
750602	346	55.	18.21	265.98	-0.18505	-0.20012		-0.17871	
750602	347	4.	17.68	265.66	-0.20782	-0.20125		0.01941	
750602	347	15.	17.15	265.34	-0.18142	-0.20019		0.20717	
750602	347	25.	16.61	265.03	-0.18033	-0.19705	-0.058846	0.38289	0.379273
750602	347	35.	16.08	264.72	-0.25419	-0.19202		0.54472	
750602	347	45.	15.55	264.41	-0.19937	-0.16530		0.68920	
750602	347	55.	15.02	264.10	-0.20213	-0.17714		0.81180	
750602	348	4.	14.48	263.79	-0.24270	-0.16780		0.90829	
750602	348	15.	13.95	263.48	-0.15846	-0.15755		0.97555	
750602	348	25.	13.41	263.18	-0.02269	-0.14662	-0.027153	1.01380	0.614730
750602	348	35.	12.88	262.88	-0.18026	-0.13524		1.02818	
750602	348	45.	12.34	262.57	-0.11989	-0.12364		1.02566	
750602	348	55.	11.81	262.27	-0.08982	-0.11198		1.01303	
750602	349	4.	11.27	261.97	-0.07148	-0.10029		0.99791	
750602	349	15.	10.74	261.67	-0.05658	-0.08858		0.98830	
750602	349	25.	10.20	261.37	-0.00888	-0.07676	0.007614	0.99145	0.484801
750602	349	35.	9.67	261.07	-0.20781	-0.06473		1.01224	
750602	349	45.	9.13	260.77	-0.04285	-0.05241		1.05083	
750602	349	55.	8.60	260.48	-0.04683	-0.03962		1.10486	
750602	350	4.	8.06	260.18	0.03139	-0.02617		1.17118	
750602	350	15.	7.52	259.89	-0.03457	-0.01193		1.24881	
750602	350	25.	6.99	259.59	0.08001	0.00316	0.029400	1.33435	0.273712
750602	350	35.	6.45	259.30	0.05511	0.01909		1.42205	
750602	350	45.	5.91	259.00	-0.19326	0.03666		1.50137	
750602	350	55.	5.37	258.71	-0.12837	0.05250		1.55332	
750602	351	4.	4.84	258.42	-0.00613	0.06921		1.55601	
750602	351	15.	4.30	258.13	-0.12264	0.08536		1.49367	

REVOLUTION 752

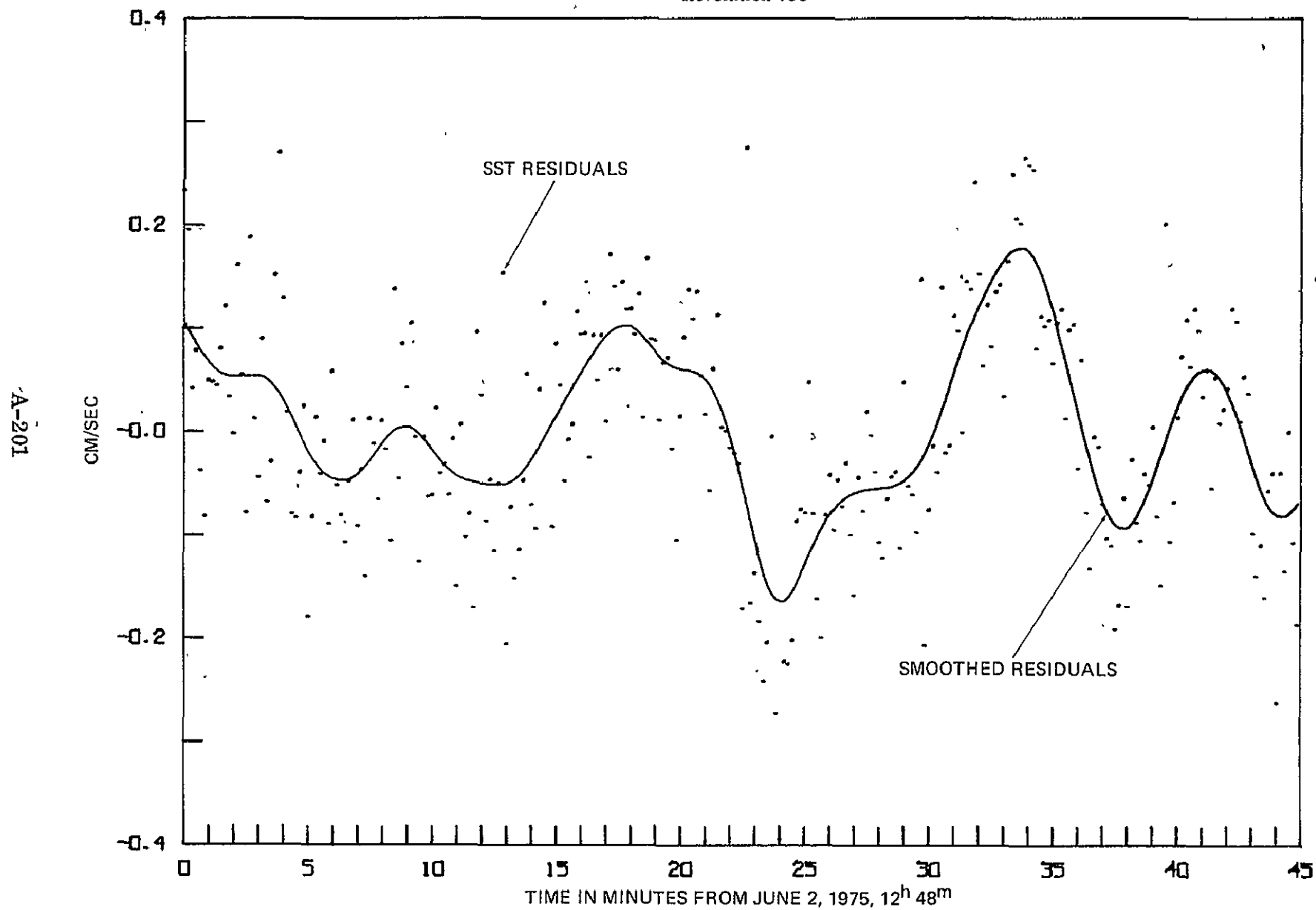
OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	-SEC	LAT	E LONG					
750602	351	25.	3.76	257.83	0.30575	0.10054	0.041747	1.36500	0.126999
750602	351	35.	3.22	257.54	0.21692	0.11432		1.18217	
750602	351	45.	2.69	257.25	0.21790	0.12631		0.96693	
750602	351	55.	2.15	256.96	0.22383	0.13625		0.74223	
750602	352	5.	1.61	256.67	0.12350	0.14402		0.52345	
750602	352	15.	1.07	256.38	0.10114	0.14966		0.33782	
750602	352	25.	0.54	256.09	0.15509	0.15334	0.045974	0.17768	0.046993
750602	352	35.	-0.00	255.80	0.16227	0.15598		0.04364	
750602	352	45.	-0.54	255.51	0.12918	0.15598		-0.04937	
750602	352	55.	-1.08	255.22	0.10360	0.15551		-0.12162	
750602	353	5.	-1.62	254.93	0.19523	0.15419		-0.17327	
750602	353	15.	-2.15	254.64	0.18287	0.15227		-0.20954	
750602	353	25.	-2.69	254.34	0.11113	0.14988	0.047018	-0.23432	-0.051421
750602	353	35.	-3.23	254.05	0.15846	0.14709		-0.25496	
750602	353	45.	-3.77	253.76	0.10947	0.14391		-0.27620	
750602	353	55.	-4.30	253.47	0.07956	0.14028		-0.30555	
750602	354	5.	-4.84	253.18	0.13318	0.13610		-0.34956	
750602	354	16.	-5.38	252.88	0.18114	0.13128		-0.41194	
750602	354	26.	-5.91	252.59	0.17293	0.12570	0.035510	-0.49176	-0.364508
750602	354	36.	-6.45	252.30	0.17566	0.11924		-0.58447	
750602	354	46.	-6.99	252.00	0.08004	0.11180		-0.68410	
750602	354	56.	-7.52	251.71	0.09212	0.10329		-0.78565	
750602	355	6.	-8.06	251.41	0.13918	0.09369		-0.88533	
750602	355	16.	-8.60	251.12	0.10319	0.08345		-0.97930	
750602	355	26.	-9.13	250.82	0.05903	0.07145	0.005219	-1.06404	-0.580494
750602	355	36.	-9.67	250.52	0.02864	0.05855		-1.13767	
750602	355	46.	-10.21	250.23	0.02660	0.04566		-1.19987	
750602	355	56.	-10.74	249.93	0.07125	0.03173		-1.25042	
750602	356	6.	-11.28	249.63	-0.03275	0.01734		-1.28774	
750602	356	16.	-11.81	249.33	0.10707	0.00269		-1.30904	
750602	356	26.	-12.35	249.03	0.02146	-0.01157	-0.030469	-1.33956	-0.612463
750602	356	36.	-12.88	248.72	-0.00350	-0.02643		-1.28603	
750602	356	46.	-13.41	248.42	-0.03732	-0.04047		-1.23596	
750602	356	56.	-13.95	248.11	-0.13325	-0.05385		-1.16128	
750602	357	6.	-14.48	247.81	-0.01590	-0.06630		-1.06491	
750602	357	16.	-15.01	247.50	-0.09440	-0.07756		-0.94947	
750602	357	26.	-15.55	247.19	-0.10625	-0.08744	-0.065045	-0.81679	-0.482850
750602	357	36.	-16.08	246.88	-0.08503	-0.09573		-0.66897	
750602	357	46.	-16.61	246.57	-0.10751	-0.10229		-0.50812	
750602	357	56.	-17.14	246.26	-0.08911	-0.10667		-0.33648	
750602	358	6.	-17.67	245.94	-0.12133	-0.10971		-0.15721	
750602	358	16.	-18.20	245.62	-0.15872	-0.11049		-0.02469	
750602	358	26.	-18.73	245.31	-0.17682	-0.10940	-0.075814	-0.20158	0.076620
750602	358	36.	-19.26	244.99	-0.18935	-0.10654		0.36408	
750602	358	46.	-19.79	244.67	-0.11508	-0.10210		0.50356	
750602	358	56.	-20.32	244.34	-0.01310	-0.09623		0.61554	
750602	359	6.	-20.85	244.02	-0.05820	-0.08911		0.70171	
750602	359	16.	-21.38	243.69	-0.02156	-0.08867		0.76780	
750602	359	26.	-21.91	243.36	-0.06016	-0.07200	-0.050878	0.82039	0.884720
750602	359	36.	-22.43	243.03	-0.03375	-0.06241		0.86420	
750602	359	46.	-22.96	242.70	-0.14333	-0.05239		0.98008	
750602	359	56.	-23.48	242.36	-0.16449	-0.04216		0.92384	
750602	4 0	6.	-24.01	242.02	-0.01583	-0.02195		0.92732	
750602	4 0	16.	-24.53	241.68	-0.01536	-0.02192		0.90660	
750602	4 0	26.	-25.06	241.34	-0.03623	-0.01230	0.010228	0.85799	0.886595
750602	4 0	36.	-25.58	240.99	-0.01186	-0.00326		0.78275	
750602	4 0	46.	-26.10	240.65	0.01995	0.00470		0.68470	
750602	4 0	56.	-26.63	240.30	0.12671	0.01173		0.57094	
750602	4 1	6.	-27.15	239.94	0.04202	0.01766		0.45178	
750602	4 1	16.	-27.67	239.59	0.03204	0.02244		0.33765	
750602	4 1	26.	-28.19	239.23	-0.00812	0.02609	0.044347	0.23600	0.330149
750602	4 1	36.	-28.70	238.86	0.07226	0.02872		0.15971	
750602	4 1	46.	-29.22	238.50	0.00357	0.03048		0.08301	
750602	4 1	56.	-29.74	238.13	0.00301	0.03160		-0.03156	
750602	4 2	16.	-30.77	237.38	0.00988	0.03170		-0.03987	
750602	4 2	26.	-31.28	237.00	-0.02262	0.03101	0.050236	-0.07063	-0.206791
750602	4 2	36.	-31.80	236.62	0.11226	0.02983		-0.10560	
750602	4 2	46.	-32.31	236.23	-0.14201	0.02812		-0.14868	
750602	4 2	56.	-32.82	235.84	0.11833	0.02551		-0.20208	
750602	4 3	6.	-33.33	235.45	0.02918	0.02293		-0.26400	
750602	4 3	16.	-33.84	235.05	0.18181	0.01954		-0.32678	
750602	4 3	26.	-34.35	234.65	0.02206	0.01575		-0.37981	
750602	4 3	36.	-34.85	234.24	-0.00041	0.01165		-0.41376	
750602	4 3	46.	-35.36	233.83	0.04864	0.00736		-0.42421	
750602	4 3	56.	-35.87	233.41	-0.09540	0.00304		-0.41112	
750602	4 4	6.	-36.37	232.99	-0.09293	-0.00117		-0.37823	
750602	4 4	16.	-36.87	232.56	-0.00557	-0.00509		-0.33278	
750602	4 4	26.	-37.37	232.13	0.03765	-0.00857		-0.28246	
750602	4 4	36.	-37.87	231.70	-0.01686	-0.01157		-0.23242	

GEOS-3 Revolution No. 758

June 2, 1975, 12<sup>h</sup> 48<sup>m</sup>

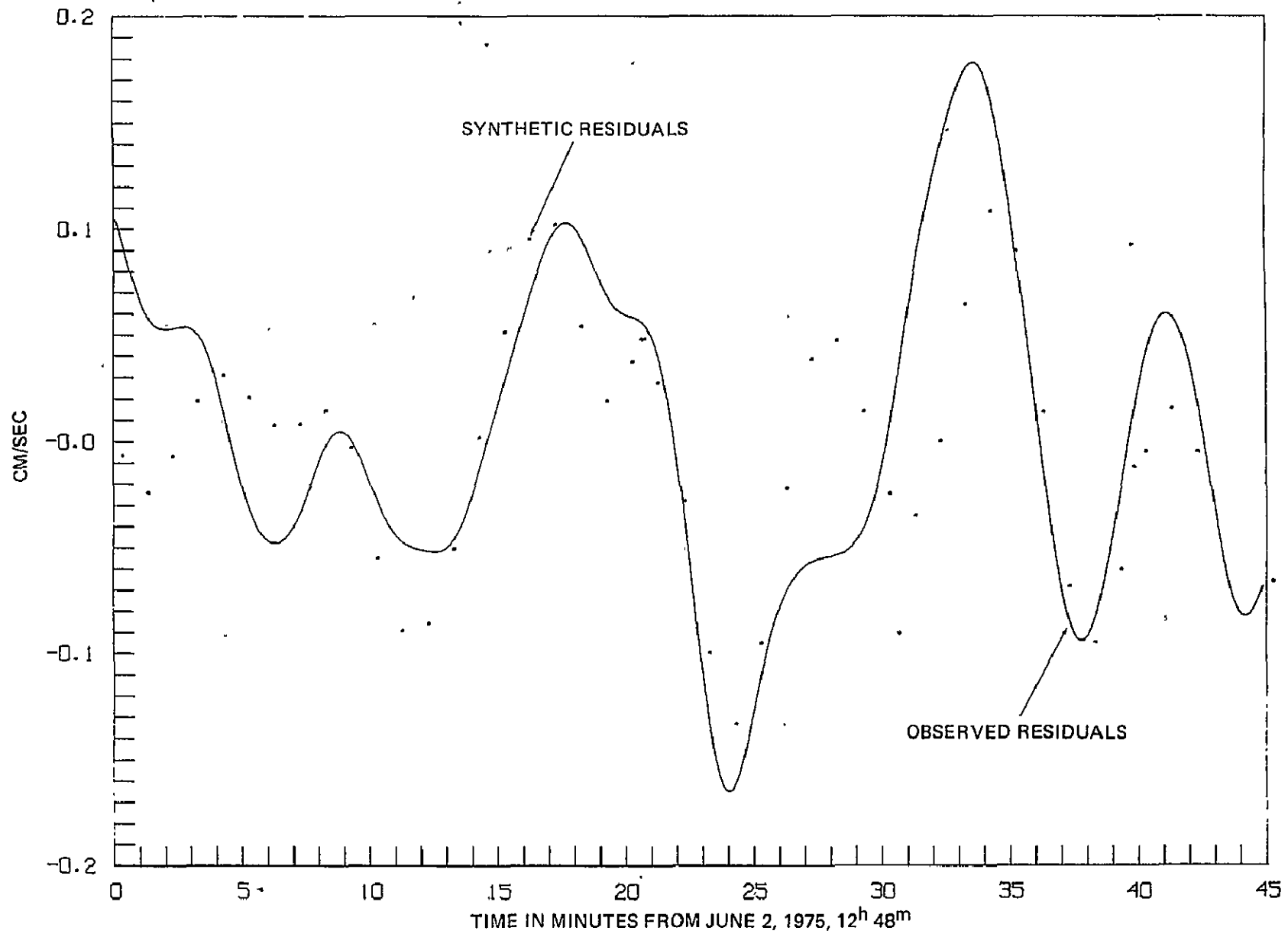


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 758



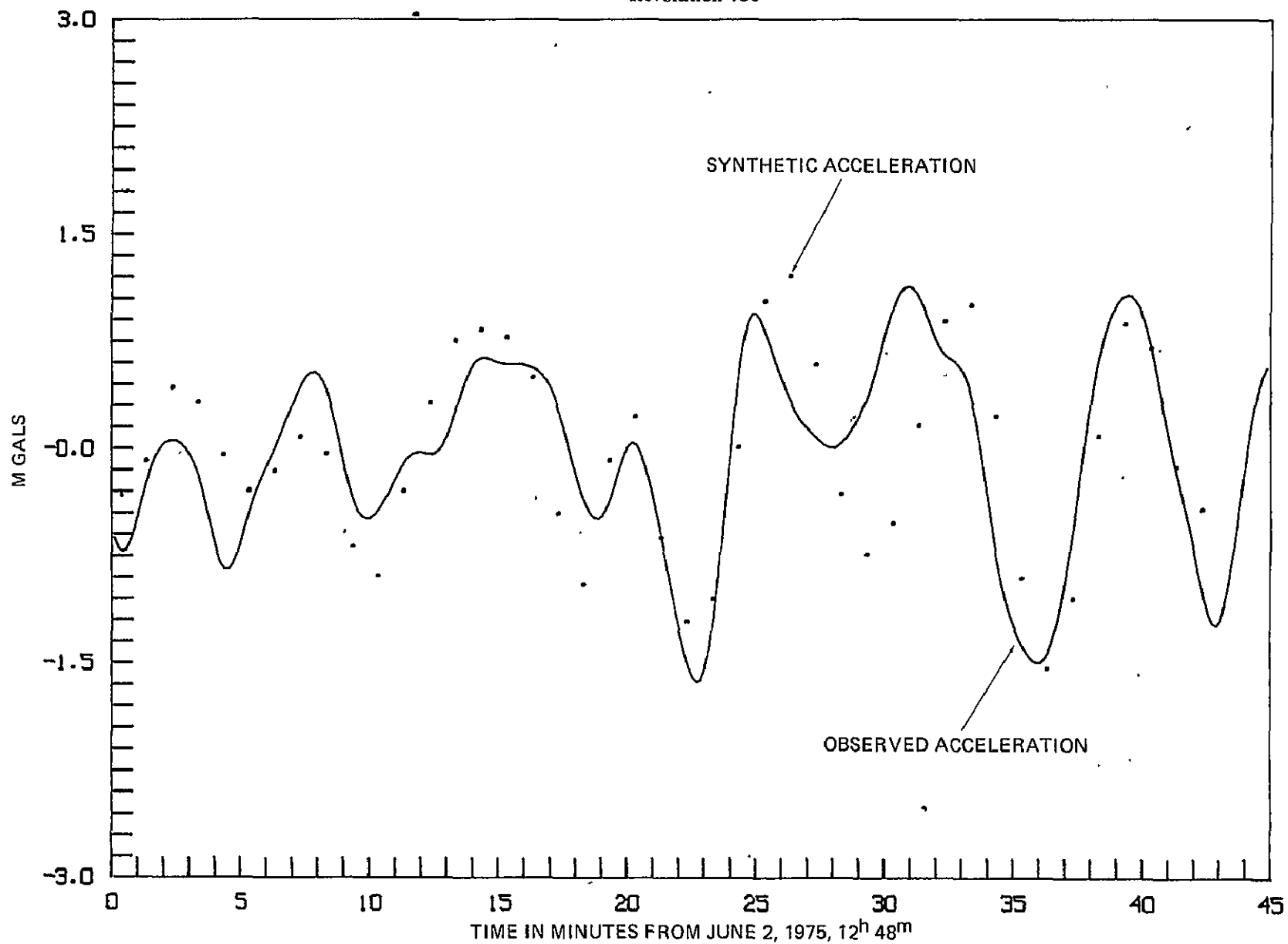
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 758

A-202

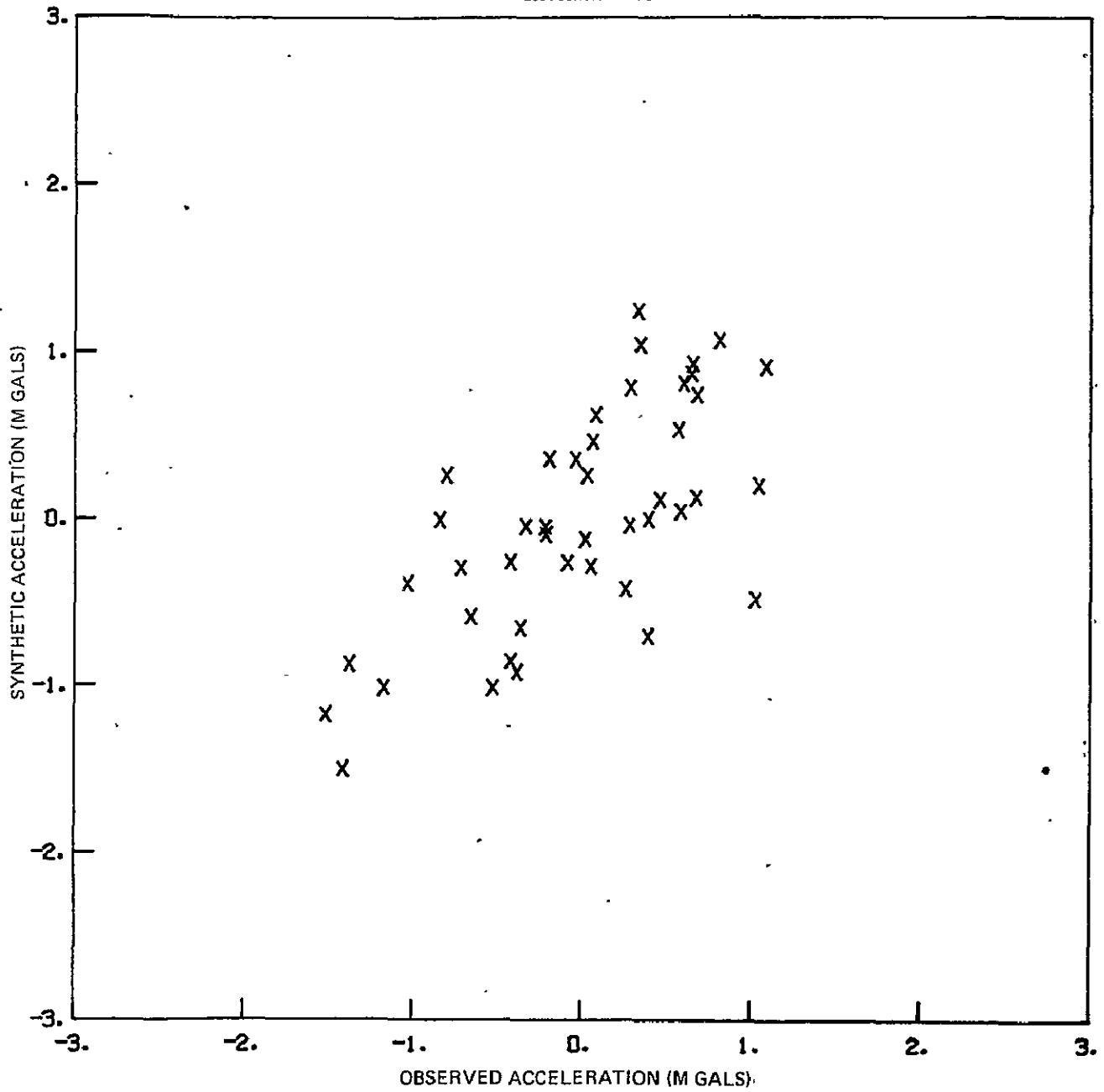


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 758

A-203



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 758



## REVOLUTION 758

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750602	1248	14	-64.76	22.22	0.23628	0.18493		-0.61993	
750602	1248	24	-64.68	20.83	0.19978	0.09815		-0.69146	
750602	1248	34	-64.57	19.44	0.04619	0.09111	-0.004054	-0.72236	-0.294316
750602	1248	44	-64.44	18.07	0.08358	0.08412		-0.70843	
750602	1248	54	-64.30	16.71	-0.03351	0.07745		-0.65199	
750602	1249	4	-64.15	15.37	-0.07770	0.07128		-0.56170	
750602	1249	14	-63.99	14.04	0.05456	0.06577		-0.45069	
750602	1249	24	-63.82	12.72	0.05280	0.06112		-0.33296	
750602	1249	34	-63.64	11.42	0.04918	0.05748	-0.021713	-0.22121	-0.047760
750602	1249	44	-63.44	10.14	0.08498	0.05489		-0.12512	
750602	1249	54	-63.24	8.87	0.12632	0.05329		-0.04971	
750602	1250	4	-63.03	7.63	0.03799	0.05251		0.00458	
750602	1250	14	-62.80	6.40	0.00220	0.05232		0.03933	
750602	1250	24	-62.56	5.18	0.16619	0.05251		0.05666	
750602	1250	34	-62.32	3.99	0.05890	0.05290	-0.004470	0.05929	0.464555
750602	1250	44	-62.07	2.82	-0.07432	0.05329		0.05069	
750602	1250	54	-61.80	1.66	0.19307	0.05349		0.03036	
750602	1251	4	-61.53	0.52	0.01669	0.05337		-0.00229	
750602	1251	14	-61.25	359.41	-0.04017	0.05274		-0.04861	
750602	1251	24	-60.96	358.31	0.09477	0.05136		-0.11275	
750602	1251	34	-60.66	357.23	-0.06400	0.04904	0.021681	-0.19854	0.359236
750602	1251	44	-60.36	356.17	-0.02442	0.04558		-0.30736	
750602	1251	54	-60.05	355.13	0.15656	0.04088		-0.43844	
750602	1252	4	-59.73	354.11	0.27524	0.03500		-0.57787	
750602	1252	14	-59.40	353.11	-0.13367	0.02967		-0.70531	
750602	1252	24	-59.06	352.12	0.02295	0.02026		-0.79953	
750602	1252	34	-58.72	351.16	-0.07536	0.01180	0.033420	-0.84795	-0.007004
750602	1252	44	-58.37	350.21	-0.07948	0.00295		-0.84307	
750602	1252	54	-58.02	349.28	-0.03490	-0.00576		-0.80601	
750602	1253	4	-57.66	348.37	0.02976	-0.01402		-0.73154	
750602	1253	14	-57.29	347.47	-0.17518	-0.02165		-0.63555	
750602	1253	24	-56.92	346.59	-0.07759	-0.02836		-0.53070	
750602	1253	34	-56.55	345.73	-0.01068	-0.03408	0.023086	-0.42662	-0.260971
750602	1253	44	-56.16	344.88	-0.03681	-0.03876		-0.33648	
750602	1253	54	-55.77	344.05	-0.00449	-0.04243		-0.25533	
750602	1254	4	-55.38	343.24	-0.08498	-0.04516		-0.18387	
750602	1254	14	-54.98	342.44	0.06327	-0.04700		-0.11872	
750602	1254	24	-54.58	341.66	-0.04700	-0.04797		-0.05048	
750602	1254	34	-54.18	340.89	-0.07649	-0.04812	0.009982	0.01236	-0.121011
750602	1254	44	-53.76	340.13	-0.10268	-0.04746		0.08428	
750602	1254	54	-53.33	339.39	-0.04272	-0.04599		0.15959	
750602	1255	4	-52.93	338.66	0.01609	-0.04368		0.23534	
750602	1255	14	-52.51	337.94	-0.08716	-0.04053		0.31289	
750602	1255	24	-52.08	337.24	-0.03177	-0.03660		0.38516	
750602	1255	34	-51.65	336.55	-0.13574	-0.03200	0.010521	0.45957	0.116764
750602	1255	44	-51.21	335.87	0.01741	-0.02689		0.50075	
750602	1255	54	-50.78	335.21	-0.00774	-0.02142		0.52991	
750602	1256	4	-50.34	334.55	-0.06143	-0.01581		0.53493	
750602	1256	14	-49.89	333.91	-0.01572	-0.01036		0.51267	
750602	1256	24	-49.44	333.28	-0.01267	-0.00536		0.46199	
750602	1256	34	-48.99	332.66	-0.10120	-0.00110	0.016657	0.38216	-0.001798
750602	1256	44	-48.54	332.05	0.14285	0.00214		0.27480	
750602	1256	54	-48.08	331.45	-0.04087	0.00420		0.14581	
750602	1257	4	-47.62	330.85	0.09008	0.00492		0.00485	
750602	1257	14	-47.16	330.27	0.04693	0.00430		-0.13628	
750602	1257	24	-46.70	329.70	0.11031	0.00240		-0.26446	
750602	1257	34	-46.23	329.14	-0.00069	-0.00062	-0.000361	-0.36794	-0.653172
750602	1257	44	-45.76	328.58	-0.12162	-0.00458		-0.43990	
750602	1257	54	-45.29	328.04	-0.00034	-0.00927		-0.48066	
750602	1258	4	-44.82	327.50	-0.05877	-0.01438		-0.49451	
750602	1258	14	-44.34	326.97	-0.05645	-0.01965		-0.48686	
750602	1258	24	-43.86	326.45	0.02775	-0.02485		-0.46306	
750602	1258	34	-43.38	325.93	-0.03591	-0.02975	-0.052505	-0.42661	-0.854108
750602	1258	44	-42.90	325.42	-0.02689	-0.03422		-0.37976	
750602	1258	54	-42.42	324.92	-0.08676	-0.03816		-0.32489	
750602	1259	4	-41.93	324.43	-0.00154	-0.04150		-0.26490	
750602	1259	14	-41.45	323.94	-0.14562	-0.04422		-0.20325	
750602	1259	24	-40.96	323.47	-0.01187	-0.04635		-0.14471	
750602	1259	34	-40.46	322.99	-0.09765	-0.04747	-0.086977	-0.04407	-0.261689
750602	1259	44	-39.97	322.52	-0.07449	-0.04914		-0.05543	
750602	1259	54	-39.48	322.06	-0.16643	-0.05002		-0.03241	
750602	13 0	4	-38.98	321.61	0.10136	-0.05072		-0.02628	
750602	13 0	14	-38.48	321.16	-0.02043	-0.05123		-0.03230	
750602	13 0	24	-37.99	320.72	-0.08192	-0.05161		-0.04098	
750602	13 0	34	-37.49	320.28	-0.04143	-0.05190	-0.063378	-0.04367	0.357219
750602	13 0	44	-36.98	319.84	-0.11116	-0.05205		-0.03521	
750602	13 0	54	-36.48	319.42	-0.04550	-0.05195		-0.01132	
750602	13 1	4	-35.98	318.99	0.15850	-0.05139		0.03101	
750602	13 1	14	-35.47	318.57	-0.20135	-0.05015		0.09543	
750602	13 1	24	-34.96	318.16	-0.06782	-0.04816		0.18052	
750602	13 1	34	-34.46	317.75	-0.13762	-0.04535	-0.047828	0.27827	0.790258
750602	13 1	44	-33.95	317.35	-0.10910	-0.04165		0.37765	
750602	13 1	54	-33.44	316.95	-0.04180	-0.03707		0.46752	
750602	13 2	4	-32.93	316.55	0.06074	-0.03167		0.54018	
750602	13 2	14	-32.41	316.16	-0.06630	-0.02555		0.59283	
750602	13 2	24	-31.90	315.77	-0.08954	-0.01894		0.62493	
750602	13 2	34	-31.39	315.38	0.04590	-0.01202	0.004391	0.63692	0.870191
750602	13 2	44	-30.87	315.00	0.12930	-0.00488		0.63288	
750602	13 2	54	-29.84	314.26	-0.08780	-0.00262		0.60700	

REVOLUTION 758

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL	SMOOTHED RESIDUAL	SYNTHETIC RESIDUAL	OBSERVED ACCELERATION	SYNTHETIC ACCELERATION
YYMMDD	HHMM	SEC	LAT	E. LONG	CM/SEC	CM/SEC	CM/SEC	MGAL	MGAL
750602	13 3	14.	-29.32	313.88	0.08976	0.01676		0.55555	
750602	13 3	24.	-28.80	313.51	0.04900	0.02380		0.58903	
750602	13 3	34.	-28.28	313.15	-0.04329	0.03075	0.033869	0.58784	-0.813827
750602	13 3	44.	-27.76	312.79	-0.00272	0.03760		0.59022	
750602	13 3	54.	-27.24	312.43	0.01229	0.04438		0.59182	
750602	13 4	4.	-26.72	312.08	0.12103	0.05110		0.58930	
750602	13 4	14.	-26.19	311.72	0.09862	0.05779		0.58213	
750602	13 4	24.	-25.67	311.37	0.10020	0.06441		0.57177	
750602	13 4	34.	-25.15	311.03	-0.02081	0.07089	0.097574	0.55868	0.533650
750602	13 4	44.	-24.62	310.68	0.09824	0.07709		0.54042	
750602	13 4	54.	-24.09	310.34	0.05383	0.08294		0.51252	
750602	13 5	4.	-23.57	310.00	0.09823	0.08832		0.47202	
750602	13 5	14.	-23.04	309.67	0.01383	0.09306		0.41467	
750602	13 5	24.	-22.51	309.33	0.17633	0.09701		0.33875	
750602	13 5	34.	-21.99	309.00	0.14447	0.10005	0.104446	0.24520	-0.419580
750602	13 5	44.	-21.46	308.67	0.06397	0.10203		0.13840	
750602	13 5	55.	-20.93	308.34	0.14982	0.10285		0.02349	
750602	13 6	5.	-20.40	308.01	0.12264	0.10248		-0.09373	
750602	13 6	15.	-19.87	307.69	0.12385	0.10092		-0.20641	
750602	13 6	25.	-19.34	307.37	0.09849	0.09826		-0.30779	
750602	13 6	35.	-18.80	307.05	0.13839	0.09465	0.056281	-0.39188	-0.919978
750602	13 6	45.	-18.27	306.73	0.01759	0.09030		-0.45367	
750602	13 6	55.	-17.74	306.41	0.17255	0.08544		-0.48957	
750602	13 7	5.	-17.21	306.09	0.00373	0.08030		-0.49670	
750602	13 7	15.	-16.67	305.78	0.09248	0.07547		-0.47281	
750602	13 7	25.	-16.14	305.47	0.01534	0.07093		-0.41886	
750602	13 7	35.	-15.61	305.16	0.07158	0.06700	0.021602	-0.33999	-0.642704
750602	13 7	45.	-15.07	304.85	0.07648	0.06386		-0.24447	
750602	13 7	55.	-14.54	304.54	-0.01227	0.06158		-0.14365	
750602	13 8	5.	-14.00	304.23	-0.10051	0.06006		-0.05187	
750602	13 8	15.	-13.47	303.92	0.01978	0.05909		0.01424	
750602	13 8	25.	-12.93	303.62	0.09632	0.05845		0.04129	
750602	13 8	35.	-12.40	303.32	0.14237	0.05786	0.039713	0.02413	0.262394
750602	13 8	45.	-11.86	303.01	0.11326	0.05658		-0.03410	
750602	13 8	55.	-11.32	302.71	0.14040	0.05534		-0.12317	
750602	13 9	5.	-10.79	302.41	0.05831	0.05291		-0.23941	
750602	13 9	15.	-10.25	302.11	0.02074	0.04911		-0.36903	
750602	13 9	25.	-9.71	301.81	-0.05277	0.04378		-0.51011	
750602	13 9	35.	-9.18	301.51	0.06572	0.03678	0.029977	-0.65137	-0.588125
750602	13 9	45.	-8.64	301.22	0.11780	0.02948		-0.82056	
750602	13 9	55.	-8.10	300.92	0.00855	0.01766		-0.98210	
750602	13 10	5.	-7.56	300.62	0.00520	0.00554		-1.13933	
750602	13 10	15.	-7.02	300.33	0.01136	-0.00622		-1.28631	
750602	13 10	25.	-6.49	300.03	-0.01637	-0.02344		-1.41786	
750602	13 10	35.	-5.95	299.74	-0.02610	-0.03989	-0.025586	-1.52484	-1.174844
750602	13 10	45.	-5.41	299.44	-0.16693	-0.05722		-1.60173	
750602	13 10	55.	-4.87	299.15	0.27935	-0.07496		-1.63820	
750602	13 11	5.	-4.33	298.86	-0.16152	-0.08250		-1.62126	
750602	13 11	15.	-3.79	298.57	-0.13163	-0.10932		-1.53945	
750602	13 11	25.	-3.25	298.27	-0.17938	-0.12486		-1.39077	
750602	13 11	35.	-2.71	297.98	-0.23730	-0.13851	0.097282	-1.18040	-1.014826
750602	13 11	45.	-2.17	297.69	-0.19862	-0.14974		-0.92088	
750602	13 11	55.	-1.64	297.40	0.00088	-0.15806		-0.62493	
750602	13 12	5.	-1.10	297.11	-0.26828	-0.16315		-0.30700	
750602	13 12	15.	-0.56	296.81	-0.39002	-0.16501		0.01514	
750602	13 12	25.	-0.02	296.52	-0.21734	-0.16384		0.31710	
750602	13 12	35.	0.52	296.23	-0.22003	-0.15989	-0.130545	0.57449	0.047060
750602	13 12	45.	1.06	295.94	-0.19655	-0.15364		0.76940	
750602	13 12	55.	1.60	295.65	-0.08145	-0.14564		0.89244	
750602	13 13	5.	2.14	295.36	-0.07016	-0.13648		0.94447	
750602	13 13	15.	2.68	295.06	-0.07387	-0.12676		0.93581	
750602	13 13	25.	3.22	294.77	0.05257	-0.11700		0.88273	
750602	13 13	35.	3.76	294.48	-0.07486	-0.10758	-0.092435	0.80421	1.068138
750602	13 13	45.	4.30	294.19	-0.15776	-0.09883		0.71668	
750602	13 13	55.	4.84	293.89	-0.19512	-0.09099		0.62913	
750602	13 14	5.	5.38	293.60	-0.07543	-0.08413		0.54413	
750602	13 14	15.	5.91	293.31	-0.03676	-0.07821		0.46239	
750602	13 14	25.	6.45	293.01	-0.09078	-0.07315		0.38574	
750602	13 14	35.	6.99	292.72	-0.04124	-0.06891	-0.019249	0.31624	1.245167
750602	13 14	45.	7.53	292.42	-0.06773	-0.06538		0.25554	
750602	13 14	55.	8.07	292.13	-0.02491	-0.06249		0.20473	
750602	13 15	5.	8.61	291.83	-0.09561	-0.06015		0.16365	
750602	13 15	15.	9.14	291.53	-0.15411	-0.05833		0.13013	
750602	13 15	25.	9.68	291.23	-0.03912	-0.05697		0.09996	
750602	13 15	35.	10.22	290.93	-0.07256	-0.05598	0.040974	0.07807	0.621632
750602	13 15	45.	10.76	290.63	0.02474	-0.05529		0.04056	
750602	13 15	55.	11.29	290.33	0.00103	-0.05479		0.01646	
750602	13 16	5.	11.83	290.03	-0.03452	-0.05439		0.00227	
750602	13 16	15.	12.37	289.73	-0.10269	-0.05403		0.00233	
750602	13 16	25.	12.90	289.43	-0.11760	-0.05363		0.01688	
750602	13 16	35.	13.44	289.12	-0.05976	-0.05306	0.049675	0.04317	-0.285498
750602	13 16	45.	13.97	288.81	-0.03857	-0.05218		0.07825	
750602	13 16	55.	14.51	288.51	-0.03386	-0.05086		0.12087	
750602	13 17	5.	15.04	288.20	-0.10821	-0.04899		0.17122	
750602	13 17	15.	15.58	287.89	-0.05304	-0.04646		0.23015	
750602	13 17	25.	16.11	287.58	-0.04853	-0.04312	0.016511	0.29971	-0.702788
750602	13 17	35.	16.65	287.26	-0.05673	-0.03887		0.38227	
750602	13 17	45.	17.18	286.95	-0.09318	-0.03362		0.47786	
750602	13 17	55.	17.71	286.63	0.15196	-0.02725		0.58448	
750602	13 18	5.	18.24	286.32	-0.20254	-0.01958		0.69931	
750602	13 18	15.	18.78	286.00	-0.07045	-0.01098		0.81611	
750602	13 18	25.	19.31	285.68	-0.00873	-0.00120		0.92427	
750602	13 18	35.	19.84	285.36	-0.03492	-0.00954	-0.021946	1.01468	-0.484394
750602	13 18	45.	20.37	285.03	0.14458	0.01114		1.05144	
750602	13 18	55.	20.90	284.70	-0.01621	0.03334		1.12248	
750602	13 19	5.	21.43	284.38	-0.00522	0.04523		1.15768	

REVOLUTION 758

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750602	1319	16.	21.96	284.64	0.11711	0.05839		1.12664	
750602	1319	26.	22.49	283.71	0.10146	0.07074		1.09106	
750602	1319	36.	23.02	283.38	0.00345	0.08266	-0.032321	1.03506	0.198766
750602	1319	46.	23.54	283.04	0.15010	0.09394		0.96327	
750602	1319	56.	24.07	282.70	0.14201	0.10453		0.88211	
750602	1320	6.	24.60	282.36	0.24548	0.11440		0.80105	
750602	1320	16.	25.12	282.01	0.15649	0.12362		0.73948	
750602	1320	26.	25.65	281.67	0.06765	0.13221		0.67785	
750602	1320	36.	26.17	281.32	0.12795	0.14023	0.002862	0.64365	0.929728
750602	1320	46.	26.69	280.97	0.08652	0.14775		0.62220	
750602	1320	56.	27.22	280.61	0.14040	0.15479		0.60389	
750602	1321	6.	27.74	280.25	0.14715	0.16131		0.57702	
750602	1321	16.	28.26	279.89	0.03834	0.16713		0.52966	
750602	1321	26.	28.78	279.53	0.16931	0.17200		0.45058	
750602	1321	36.	29.30	279.16	0.25390	0.17566	0.066930	0.33270	1.044863
750602	1321	46.	29.82	278.79	0.21019	0.17763		0.17675	
750602	1321	56.	30.34	278.42	0.20587	0.17923		-0.01004	
750602	1322	6.	30.85	278.04	0.26962	0.17665		-0.21633	
750602	1322	16.	31.37	277.66	0.28204	0.17299		-0.42764	
750602	1322	26.	31.88	277.27	0.25718	0.16726		-0.62853	
750602	1322	36.	32.40	276.88	0.05467	0.15955	0.110924	-0.80665	0.260920
750602	1322	46.	32.91	276.49	0.11660	0.14997		-0.95632	
750602	1322	56.	33.42	276.09	0.10558	0.13875		-1.07859	
750602	1323	6.	33.93	275.69	0.11325	0.12613		-1.17780	
750602	1323	16.	34.44	275.29	0.07623	0.11234		-1.25940	
750602	1323	26.	34.95	274.88	0.11068	0.09759		-1.32836	
750602	1323	36.	35.46	274.47	0.12344	0.08206	0.092173	-1.38767	-0.872231
750602	1323	46.	35.96	274.05	0.01718	0.06592		-1.43741	
750602	1323	56.	36.47	273.62	0.10380	0.04933		-1.47525	
750602	1324	6.	36.97	273.19	0.10913	0.03249		-1.49884	
750602	1324	16.	37.47	272.76	-0.03117	0.01565		-1.50077	
750602	1324	26.	37.97	272.32	-0.07462	-0.00998		-1.47661	
750602	1324	36.	38.47	271.88	-0.07405	-0.01711	0.016280	-1.42303	-1.504184
750602	1324	46.	38.97	271.43	-0.12827	-0.03248		-1.33972	
750602	1324	56.	39.47	270.97	0.00012	-0.04678		-1.22890	
750602	1325	6.	39.96	270.51	-0.00961	-0.05966		-1.09227	
750602	1325	16.	40.46	270.04	-0.06516	-0.07080		-0.92967	
750602	1325	26.	40.95	269.57	-0.09869	-0.07996		-0.74194	
750602	1325	36.	41.44	269.09	-0.10607	-0.08695	-0.065846	-0.53299	-1.011970
750602	1325	46.	41.92	268.60	-0.16636	-0.09165		-0.31024	
750602	1325	56.	42.41	268.11	-0.16281	-0.09400		-0.08415	
750602	1326	6.	42.89	267.61	-0.05928	-0.06400		-0.13391	
750602	1326	16.	43.38	267.10	-0.16486	-0.09174		0.33503	
750602	1326	26.	43.86	266.59	-0.02171	-0.08738		0.51332	
750602	1326	36.	44.34	266.07	-0.08363	-0.08113	-0.092219	0.66524	0.127123
750602	1326	46.	44.81	265.54	-0.10098	-0.07325		0.79245	
750602	1326	56.	45.29	265.00	-0.03543	-0.06604		0.89367	
750602	1327	6.	45.76	264.45	-0.04698	-0.06374		0.97999	
750602	1327	16.	46.23	263.90	0.00963	-0.04262		1.02666	
750602	1327	26.	46.69	263.33	-0.07788	-0.03095		1.06246	
750602	1327	36.	47.16	262.76	-0.14460	-0.01902	-0.057680	1.07821	0.911778
750602	1327	46.	47.62	262.18	0.20560	-0.00708		1.07161	
750602	1327	56.	48.08	261.59	-0.10176	-0.00466		1.04155	
750602	1328	6.	48.54	260.98	-0.06276	0.01587		0.98875	
750602	1328	16.	48.99	260.37	0.01871	0.02624		0.90875	
750602	1328	26.	49.44	259.75	0.07746	0.03664		0.80959	
750602	1328	36.	49.89	259.12	0.11330	0.04357	-0.001898	0.66753	0.741813
750602	1328	46.	50.33	258.48	0.06723	0.05015		0.51701	
750602	1328	56.	50.78	257.82	0.12394	0.05515		0.35823	
750602	1329	6.	51.21	257.15	0.10252	0.05849		0.20918	
750602	1329	16.	51.65	256.48	0.03843	0.06017		0.04994	
750602	1329	26.	52.08	255.79	0.06510	0.06017		-0.08966	
750602	1329	36.	52.51	255.08	-0.04999	0.05852	0.018072	-0.22048	-0.091431
750602	1329	46.	52.93	254.37	0.05736	0.05522		-0.34756	
750602	1329	56.	53.35	253.64	0.01271	0.05032		-0.47842	
750602	1330	6.	53.77	252.90	0.02704	0.04381		-0.61573	
750602	1330	16.	54.18	252.14	0.04690	0.03572		-0.76006	
750602	1330	26.	54.58	251.37	0.12413	0.02614		-0.90603	
750602	1330	36.	54.99	250.58	0.11112	0.01524	-0.002121	-1.04217	-0.387237
750602	1330	46.	55.38	249.78	0.01457	0.00327		-1.15306	
750602	1330	56.	55.78	248.97	0.05824	-0.00946		-1.22369	
750602	1331	6.	56.17	248.14	0.04149	-0.02247		-1.24191	
750602	1331	16.	56.55	247.29	-0.09369	-0.03526		-1.20018	
750602	1331	26.	56.93	246.43	-0.13482	-0.04732		-1.05866	
750602	1331	36.	57.30	245.55	-0.10414	-0.05815		-0.94572	
750602	1331	46.	57.66	244.65	-0.15598	-0.06729		-0.75470	
750602	1331	56.	58.02	243.74	-0.05185	-0.07441		-0.54079	
750602	1332	6.	58.38	242.81	-0.03484	-0.07928		-0.31857	
750602	1332	16.	58.73	241.86	-0.25790	-0.08189		-0.10056	
750602	1332	26.	59.07	240.89	-0.03468	-0.08240		0.09935	
750602	1332	36.	59.40	239.91	-0.13035	-0.08098		0.27127	
750602	1332	46.	59.73	238.90	0.00515	-0.07791		0.40865	
750602	1332	56.	60.05	237.88	-0.10279	-0.07352		0.50898	
750602	1333	6.	60.36	236.84	-0.18225	-0.06816		0.57325	
750602	1333	16.	60.67	235.78	0.05610	-0.06216		0.60325	
750602	1333	26.	60.97	234.70	0.00595	-0.05579		0.60226	

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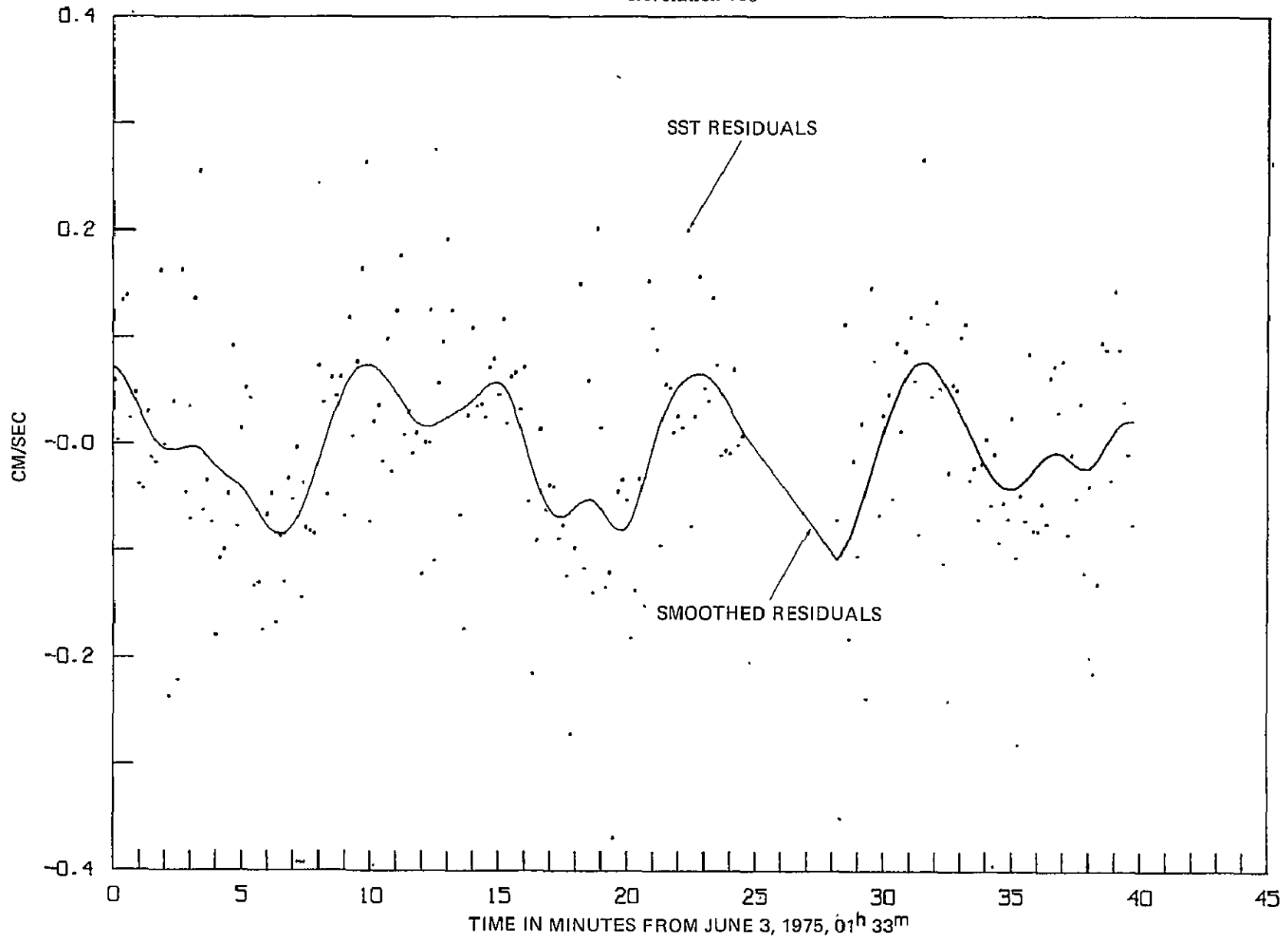
GEOS-3 Revolution No. 765

June 3, 1975, 1<sup>h</sup> 33<sup>m</sup>

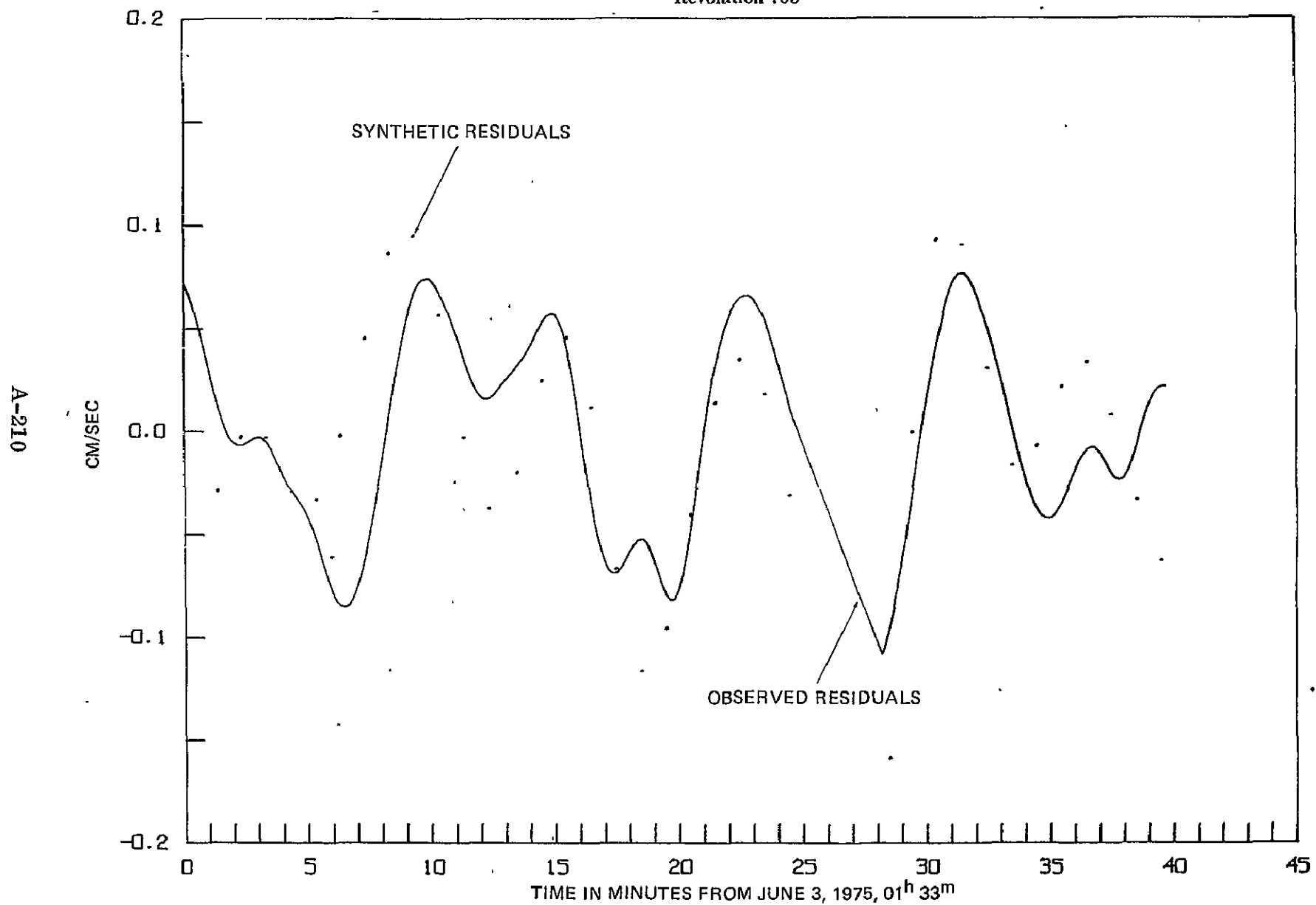


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 765

A-209

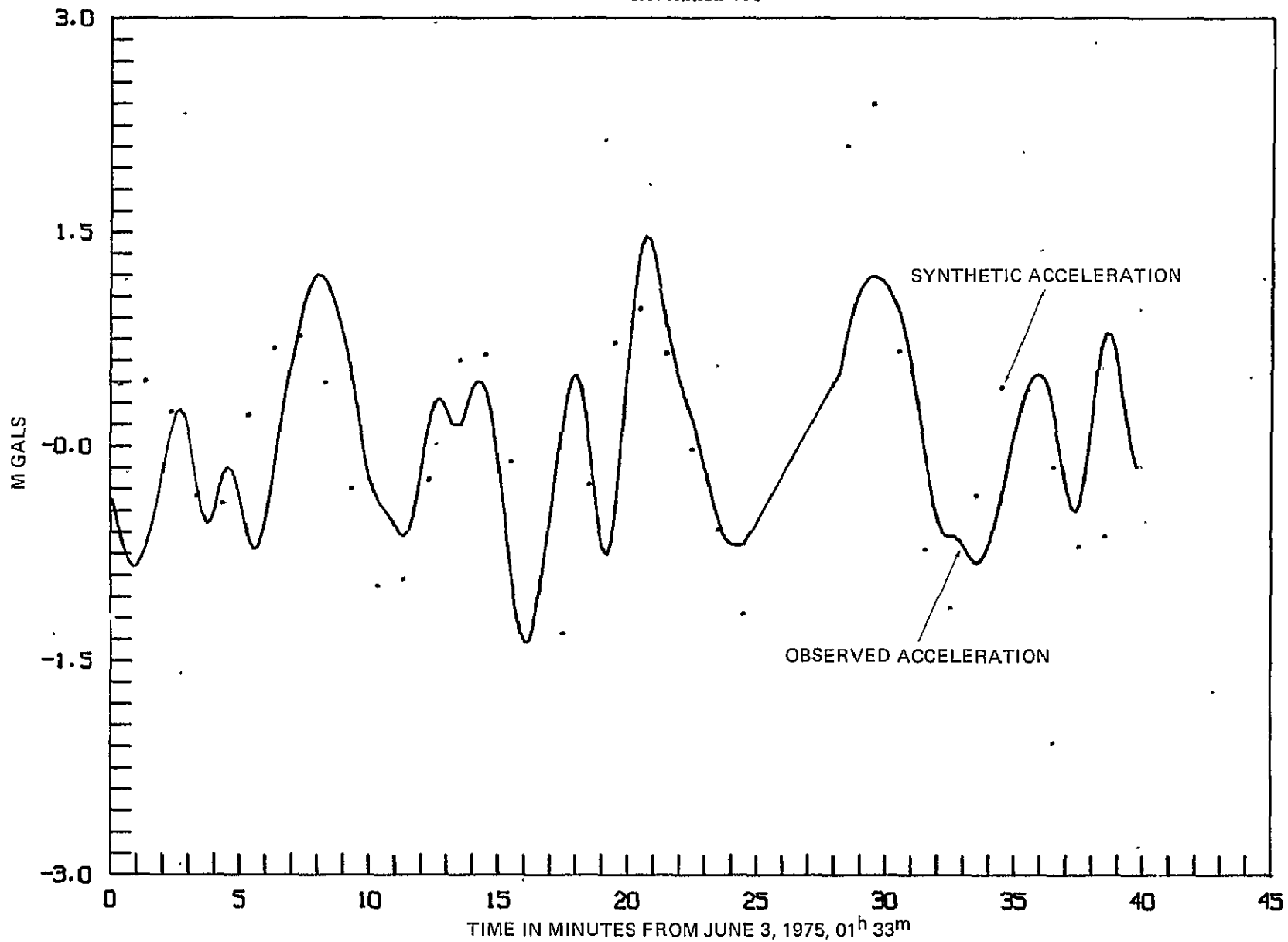


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 765

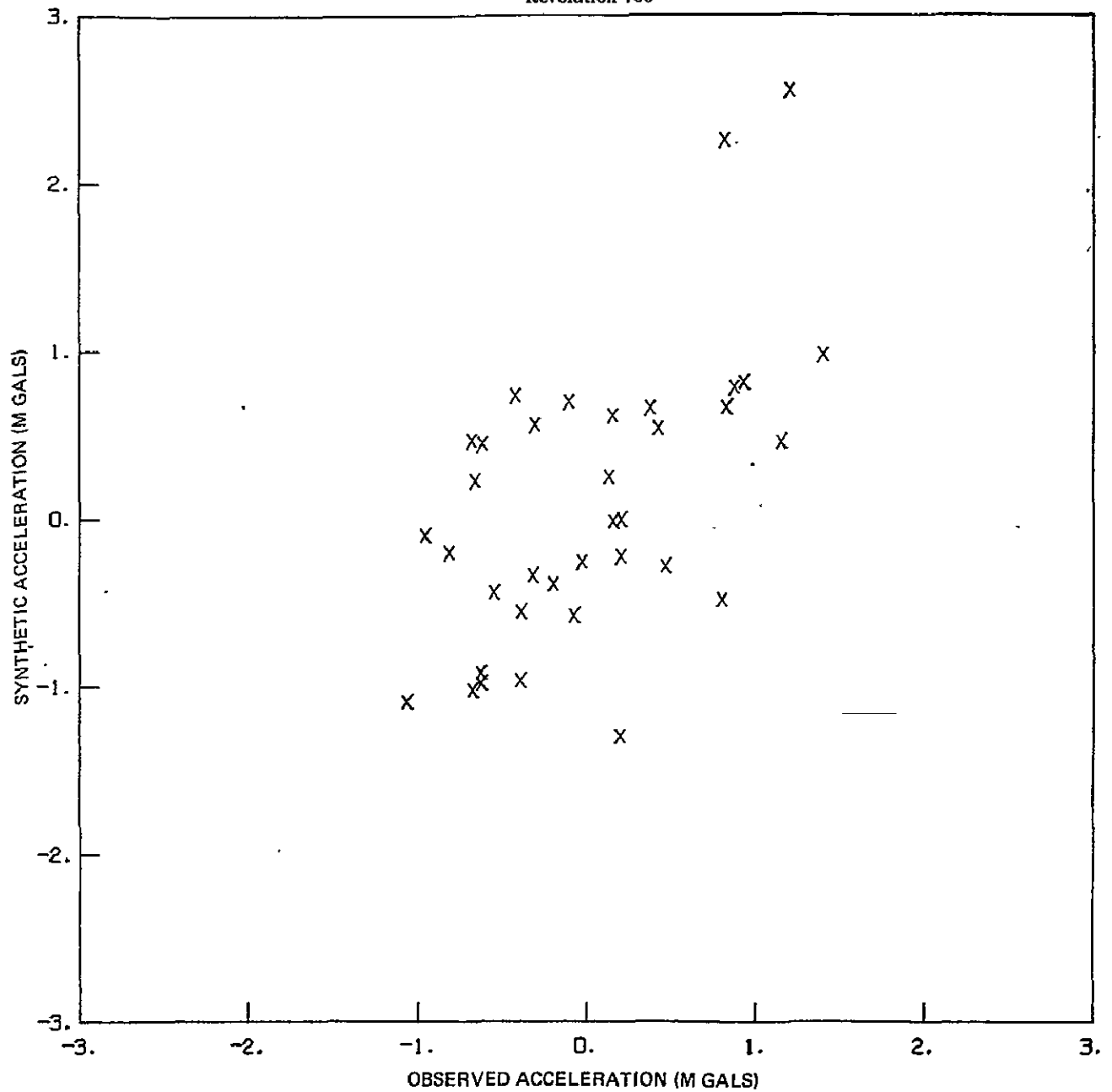


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 765

A-211



GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 765



REVOLUTION 765

OBSERVATION TIME			GEO-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750603	133	54	52.34	354.16	0.06442	0.07140		-0.37009	
750603	134	4	62.38	352.98	0.00738	0.05673		-0.49453	
750603	134	14	61.22	351.62	0.13038	0.06276	-0.054765	-0.62020	0.472063
750603	134	24	61.55	350.69	0.14420	0.05364		-0.73070	
750603	134	34	61.27	349.57	0.02849	0.04569		-0.80870	
750603	134	44	60.98	348.47	0.05266	0.03726		-0.84311	
750603	134	54	60.68	347.39	-0.03388	0.02867		-0.82963	
750603	135	4	60.38	346.33	-0.03793	0.02027		-0.77314	
750603	135	14	60.07	345.29	0.03474	0.01246	-0.026394	-0.68557	0.491268
750603	135	24	59.75	344.26	-0.00866	0.00562		-0.57808	
750603	135	34	59.42	343.26	-0.01341	0.00001		-0.45718	
750603	135	44	59.09	342.27	0.16672	-0.00414		-0.32437	
750603	135	54	58.74	341.30	0.00289	-0.00667		-0.17566	
750603	136	4	58.40	340.35	-0.23335	-0.00769		-0.01518	
750603	136	14	58.04	339.42	0.04393	-0.00750	-0.000507	0.13129	0.273465
750603	136	24	57.68	338.51	-0.21733	-0.00639		0.23078	
750603	136	34	57.32	337.61	0.16725	-0.00492		0.25586	
750603	136	44	56.95	336.73	-0.04135	-0.00359		0.19687	
750603	136	54	56.57	335.87	-0.06636	-0.00310		0.06373	
750603	137	4	56.19	335.02	0.14085	-0.00393		-0.12168	
750603	137	14	55.80	334.19	0.25996	-0.00614	-0.000948	-0.31802	-0.312832
750603	137	24	55.41	333.38	-0.05833	-0.00581		-0.47036	
750603	137	34	55.01	332.58	-0.02954	-0.01376		-0.53054	
750603	137	44	54.61	331.79	-0.00941	-0.01938		-0.51786	
750603	137	54	54.20	331.02	-0.17526	-0.02282		-0.42504	
750603	138	4	53.79	330.26	-0.10270	-0.02677	-0.027297	-0.30237	-0.361636
750603	138	14	53.38	329.52	-0.05466	-0.03011		-0.19770	
750603	138	24	52.96	328.79	-0.04227	-0.03302		-0.14901	
750603	138	34	52.53	328.08	0.05655	-0.03568		-0.17396	
750603	138	44	52.11	327.37	-0.07343	-0.03914		-0.26539	
750603	138	54	51.68	326.62	0.01912	-0.04325		-0.40034	
750603	139	4	51.24	325.89	0.05699	-0.04738	-0.031067	-0.54672	0.253274
750603	139	14	50.81	325.14	0.04725	-0.05441		-0.66545	
750603	139	24	50.36	324.39	-0.12902	-0.06173		-0.72226	
750603	139	34	49.92	323.64	-0.12593	-0.06781		-0.70240	
750603	139	44	49.47	322.91	-0.17053	-0.07420		-0.61268	
750603	139	54	49.02	322.17	-0.06188	-0.07981		-0.47182	
750603	140	4	48.57	321.44	-0.04201	-0.08351	0.000140	-0.29873	0.721255
750603	140	14	48.11	320.71	-0.16335	-0.08560		-0.10767	
750603	140	24	47.66	320.00	-0.08073	-0.08577		0.08692	
750603	140	34	47.19	319.28	-0.12512	-0.08359		0.27192	
750603	140	44	46.73	318.52	-0.02734	-0.08031		0.43988	
750603	140	54	46.26	317.76	-0.04758	-0.07480		0.59120	
750603	141	4	45.80	317.01	-0.00117	-0.06758		0.73220	
750603	141	14	45.32	316.26	-0.13555	-0.05875	0.047816	0.86820	0.805851
750603	141	24	44.85	315.52	-0.07419	-0.04867		0.99565	
750603	141	34	44.38	314.77	-0.07747	-0.03745		1.10253	
750603	141	44	43.90	314.05	-0.08007	-0.02542		1.17563	
750603	141	54	43.42	313.33	0.07824	-0.01288		1.20592	
750603	142	4	42.94	312.60	0.04324	-0.00013	0.088705	1.19462	0.480272
750603	142	14	42.45	311.88	-0.04363	0.01244		1.15096	
750603	142	24	41.97	311.15	0.06727	0.02446		1.08164	
750603	142	34	41.43	310.43	0.04544	0.03569		0.99205	
750603	142	44	40.89	313.59	0.06804	0.04588		0.88710	
750603	142	54	40.50	313.11	-0.06357	0.05481		0.76760	
750603	143	4	40.01	312.65	0.12313	0.06220		0.62822	
750603	143	14	39.52	312.17	0.01155	0.06791	0.097243	0.46520	-0.259446
750603	143	24	39.02	311.73	0.00214	0.07179		0.28128	
750603	143	34	38.53	311.28	0.16884	0.07381		0.08713	
750603	143	44	38.03	310.84	0.26833	0.07414		-0.09495	
750603	143	54	37.53	310.40	-0.06995	0.07298		-0.23884	
750603	144	4	37.03	309.96	0.02592	0.07044	0.058085	-0.33531	-0.939495
750603	144	14	36.52	309.54	0.04057	0.06681		-0.39519	
750603	144	24	36.02	309.11	-0.01240	0.06235		-0.43588	
750603	144	34	35.52	308.70	0.10337	0.05725		-0.47461	
750603	144	44	35.01	308.29	-0.02181	0.05161		-0.52081	
750603	144	54	34.50	307.87	0.12937	0.04552		-0.57353	
750603	145	4	33.99	307.47	0.18111	0.03920		-0.61877	
750603	145	14	33.48	307.07	0.01277	0.03294	-0.001006	-0.63106	-0.892160
750603	145	24	32.97	306.67	0.03505	0.02704		-0.58979	
750603	145	34	32.46	306.28	-0.00477	0.02153		-0.48842	
750603	145	44	31.95	305.89	0.01436	0.01903		-0.33424	
750603	145	54	31.44	305.51	-0.11759	0.01564		-0.14717	
750603	146	4	30.92	305.12	0.00623	0.01484		0.04201	
750603	146	14	30.41	304.75	0.00548	0.01554	-0.035450	0.20085	-0.196183
750603	146	24	29.89	304.37	-0.10581	0.01740		0.30425	
750603	146	34	29.37	304.00	0.06156	0.01987		0.33604	
750603	146	44	28.85	303.64	0.10044	0.02253		0.29898	
750603	146	54	28.33	303.27	0.15608	0.02510		0.22128	
750603	147	4	27.81	302.91	0.12029	0.02755		0.14742	
750603	147	14	27.29	302.50	-0.06232	0.03248	-0.017806	0.15022	0.640297
750603	147	24	26.77	302.09	-0.16931	0.03517		0.23363	
750603	147	34	26.25	301.68	0.02170	0.03825		0.33389	
750603	147	44	25.73	301.27	0.11324	0.04192		0.41511	
750603	147	54	25.20	300.86	0.03977	0.04607		0.45601	
750603	148	4	24.69	300.47	0.04214	0.05026	0.027115	0.44534	0.683583
750603	148	14	24.16	300.08	0.02975	0.05392		0.37587	
750603	148	24	23.63	299.69	0.07656	0.05648		0.24472	
750603	148	34	23.10	299.29	0.05538	0.05738		0.05597	
750603	148	44	22.53	298.89	0.05095	0.05615		-0.17851	
750603	148	54	22.05	298.49	0.12196	0.05245		-0.44136	
750603	149	4	21.52	298.09	0.02343	0.04616	0.048241	-0.71046	-0.073643
750603	149	14	20.99	297.69	0.06869	0.03731		-0.36219	
750603	149	24	20.47	297.29	0.07181	0.02625		-1.17329	
750603	149	34	19.94	296.89	0.03670	0.01352		-1.32044	
750603	149	44	19.41	296.49	0.07720	-0.00016		-1.39468	
750603	149	54	18.88	296.09	-0.04933	-0.01420		-1.35627	
750603	150	4	18.35	295.69	-0.21032	-0.02731	0.013492	-1.24231	-1.069044
750603	150	14	17.81	295.29	0.08530	-0.03949		-1.06940	
750603	150	24	17.28	294.89	0.01858	-0.04997		-0.86772	
750603	150	34	16.75	294.49	-0.05242	-0.05830		-0.65488	
750603	150	44	16.22	294.09	-0.03366	-0.06433		-0.43803	
750603	150	54	15.69	293.69	-0.03501	-0.06798		-0.22039	
750603	151	4	15.15	293.29	-0.06421	-0.05932	-0.064379	-0.00545	-1.271833
750603	151	14	14.62	292.89	-0.07161	-0.05855		0.19707	
750603	151	24	14.08	292.49	-0.11916	-0.06605		0.36838	
750603	151	34	13.55	292.09	-0.26710	-0.06245		0.48052	
750603	151	44	13.02	291.69	-0.09271	-0.05850		0.50058	
750603	151	54	12.48	291.29	0.15486	-0.05510		0.40995	
750603	152	4	11.95	290.89	-0.11256	-0.05280		0.22151	
750603	152	14	11.41	290.49					

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REVOLUTION 765

OBSERVATION TIME			SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	RESIDUAL CM/SEC	RESIDUAL CM/SEC	RESIDUAL CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750603	152	21	10.88	292.54	0.06398	-0.05241	-0.114419	-0.03191	-0.228550
750603	152	22	10.34	292.24	-0.13534	-0.05427		-0.30793	
750603	152	45	9.90	291.94	0.20650	-0.05331		-0.55748	
750603	152	58	9.27	291.65	0.01921	-0.06363		-0.72563	
750603	153	5	8.73	291.35	-0.13048	-0.07001		-0.76479	
750603	153	18	8.19	291.05	-0.11582	-0.07525		-0.65894	
750603	153	31	7.66	290.76	-0.36431	-0.08029	-0.033018	-0.42623	0.759521
750603	153	44	7.12	290.46	-0.03594	-0.08244		-0.11070	
750603	153	57	6.58	290.17	-0.02822	-0.08145		0.24131	
750603	154	5	6.05	289.87	-0.04850	-0.07695		0.59768	
750603	154	18	5.51	289.58	-0.17749	-0.06906		0.92835	
750603	154	31	4.97	289.29	-0.13262	-0.05829		1.20449	
750603	154	44	4.43	288.99	-0.02744	-0.04534	-0.03E137	1.39396	0.999586
750603	154	57	3.90	288.70	-0.14730	-0.03105		1.47628	
750603	155	5	3.36	288.41	0.15781	-0.01635		1.44911	
750603	155	18	2.82	288.12	0.11224	-0.00196		1.33312	
750603	155	31	2.29	287.83	0.05282	0.01147		1.16775	
750603	155	44	1.74	287.54	0.00987	0.02345		0.99047	
750603	155	57	1.21	287.25	0.06068	0.03371	0.016031	0.82272	0.685490
750603	156	5	0.67	286.96	0.05690	0.04230		0.67340	
750603	156	18	0.13	286.66	0.01525	0.04937		0.54614	
750603	156	31	-0.41	286.37	0.03124	0.05504		0.43781	
750603	156	44	-0.95	286.08	0.01923	0.05945		0.34046	
750603	156	57	-1.48	285.79	0.26514	0.06270		0.24616	
750603	157	5	-2.02	285.50	-0.07275	0.06438	0.037046	0.15147	0.011367
750603	157	18	-2.56	285.21	0.03113	0.06582		0.05039	
750603	157	31	-3.10	284.92	0.16179	0.06550		-0.06516	
750603	157	44	-3.64	284.63	0.05599	0.06393		-0.19295	
750603	157	57	-4.17	284.33	0.04446	0.06104		-0.32373	
750603	158	5	-4.71	284.04	0.14212	0.05609		-0.44716	
750603	158	18	-5.25	283.75	0.07823	0.05169	0.019702	-0.55086	-0.547714
750603	158	31	-5.79	283.46	-0.00605	0.04560		-0.62500	
750603	158	44	-6.32	283.16	-0.00129	0.03891		-0.66866	
750603	158	57	-6.86	282.87	-0.00408	0.03161		-0.68821	
750603	159	5	-7.40	282.57	0.07509	0.02428		-0.69241	
750603	159	18	-7.93	282.28	0.00285	0.01699		-0.68860	
750603	159	31	-8.47	281.98	0.01222	0.00975	-0.029317	-0.68120	-1.133114
750603	159	44	-9.00	281.69	-0.06697	-0.10920		0.50953	
750603	159	57	-9.54	281.40	-0.34558	-0.10290		0.67075	
750603	160	5	-10.08	281.11	-0.17111	-0.09513	-0.156758	0.81379	2.142959
750603	160	18	-10.61	280.82	-0.17816	-0.08594		0.93489	
750603	160	31	-11.15	280.53	-0.01069	-0.07551		1.03271	
750603	160	44	-11.68	280.24	-0.10061	-0.06402		1.10699	
750603	160	57	-12.22	279.95	-0.02407	-0.05171		1.15879	
750603	161	5	-12.75	279.66	-0.23362	-0.03887		1.18947	
750603	161	18	-13.29	279.37	-0.15101	-0.02581	0.001697	1.17728	2.437242
750603	161	31	-13.82	279.08	-0.04210	0.00040		1.16035	
750603	161	44	-14.36	278.79	-0.03221	0.01299		1.12438	
750603	161	57	-14.89	278.50	0.05162	0.02502		1.07530	
750603	162	5	-15.43	278.21	-0.04731	0.03631		1.01045	
750603	162	18	-15.96	277.92	-0.09960	0.04665	0.095352	0.92391	0.698952
750603	162	31	-16.50	277.63	0.01635	0.05584		0.81067	
750603	162	44	-17.03	277.34	0.05175	0.06363		0.66390	
750603	162	57	-17.57	277.05	0.12395	0.06981		0.50403	
750603	163	5	-18.10	276.76	0.04353	0.07418		0.32066	
750603	163	18	-18.64	276.47	-0.08005	0.07653		0.12629	
750603	163	31	-19.17	276.18	0.27074	0.07678	0.092634	-0.07470	-0.684554
750603	163	44	-19.71	275.89	0.11687	0.07518		-0.26803	
750603	163	57	-20.24	275.60	0.04891	0.07150		-0.43065	
750603	164	5	-20.78	275.31	0.13771	0.06722		-0.54705	
750603	164	18	-21.31	275.02	0.05636	0.06156		-0.61143	
750603	164	31	-21.85	274.73	-0.01713	0.05520		-0.63054	
750603	164	44	-22.38	274.44	-0.02135	0.04930	0.032766	-0.62924	-1.090699
750603	164	57	-22.92	274.15	0.36936	0.04104		-0.63519	
750603	165	5	-23.45	273.86	0.05519	0.03348		-0.66436	
750603	165	18	-23.99	273.57	0.11033	0.02562		-0.71503	
750603	165	31	-24.52	273.28	0.11750	0.01748		-0.77136	
750603	165	44	-25.06	272.99	-0.02926	0.00909		-0.81147	
750603	165	57	-25.59	272.70	-0.01751	0.00056	-0.014558	-0.82052	-0.308519
750603	166	5	-26.13	272.41	-0.01336	-0.01603		-0.79551	
750603	166	18	-26.66	272.12	-0.00978	-0.02346		-0.74072	
750603	166	31	-27.20	271.83	-0.00520	-0.02203		-0.68164	
750603	166	44	-27.73	271.54	-0.00404	-0.03523		-0.56097	
750603	166	57	-28.27	271.25	-0.08773	-0.03920	-0.004840	-0.44130	0.449494
750603	167	5	-28.80	270.96	-0.05039	-0.04175		-0.30679	
750603	167	18	-29.34	270.67	-0.06589	-0.04286		-0.16426	
750603	167	31	-29.87	270.38	0.02560	-0.04252		-0.02242	
750603	167	44	-30.41	270.09	-0.10198	-0.04080		0.11147	
750603	167	57	-30.94	269.80	-0.04342	-0.03791		0.23378	
750603	168	5	-31.48	269.51	-0.06758	-0.03407	0.023766	0.42261	0.426740
750603	168	18	-32.01	269.22	0.08944	-0.02952		0.47735	
750603	168	31	-32.55	268.93	-0.07716	-0.02450		0.50343	
750603	168	44	-33.08	268.64	-0.07781	-0.01948		0.49805	
750603	168	57	-33.62	268.35	-0.05116	-0.01492		0.45095	
750603	169	5	-34.15	268.06	-0.07021	-0.01126		0.35236	
750603	169	18	-34.69	267.77	0.06723	-0.00889	0.036034	0.20120	-0.113561
750603	169	31	-35.22	267.48	0.07792	-0.00804		0.01287	
750603	169	44	-35.76	267.19	0.03434	-0.00879		-0.18114	
750603	169	57	-36.29	266.90	0.08269	-0.01058		-0.34411	
750603	170	5	-36.83	266.61	-0.08009	-0.01423		-0.44347	
750603	170	18	-37.36	266.32	-0.05502	-0.01796		-0.45966	
750603	170	31	-37.90	266.03	-0.04659	-0.02139	0.009967	-0.38773	-0.664146
750603	170	44	-38.43	265.74	0.04238	-0.02371		-0.23298	
750603	170	57	-38.97	265.45	-0.11670	-0.02424		-0.01077	
750603	171	5	-39.50	265.16	-0.03504	-0.02263		0.24950	
750603	171	18	-40.04	264.87	-0.21021	-0.01885		0.50394	
750603	171	31	-40.57	264.58	-0.12663	-0.01332		0.70157	
750603	171	44	-41.11	264.29	0.00980	-0.00667	-0.031225	0.80032	-0.592950
750603	171	57	-41.64	264.00	0.09283	0.00048		0.78872	
750603	172	5	-42.18	263.71	-0.02551	0.00736		0.68452	
750603	172	18	-42.71	263.42	0.14831	0.01330		1.51769	
750603	172	31	-43.25	263.13	0.05277	0.01737		0.32101	
750603	172	44	-43.78	262.84	0.04356	0.02071		0.12776	
750603	172	57	-44.32	262.55	-0.00519	0.02172		-0.03536	
750603	173	5	-44.85	262.26	-0.07171	0.02115		-0.15265	

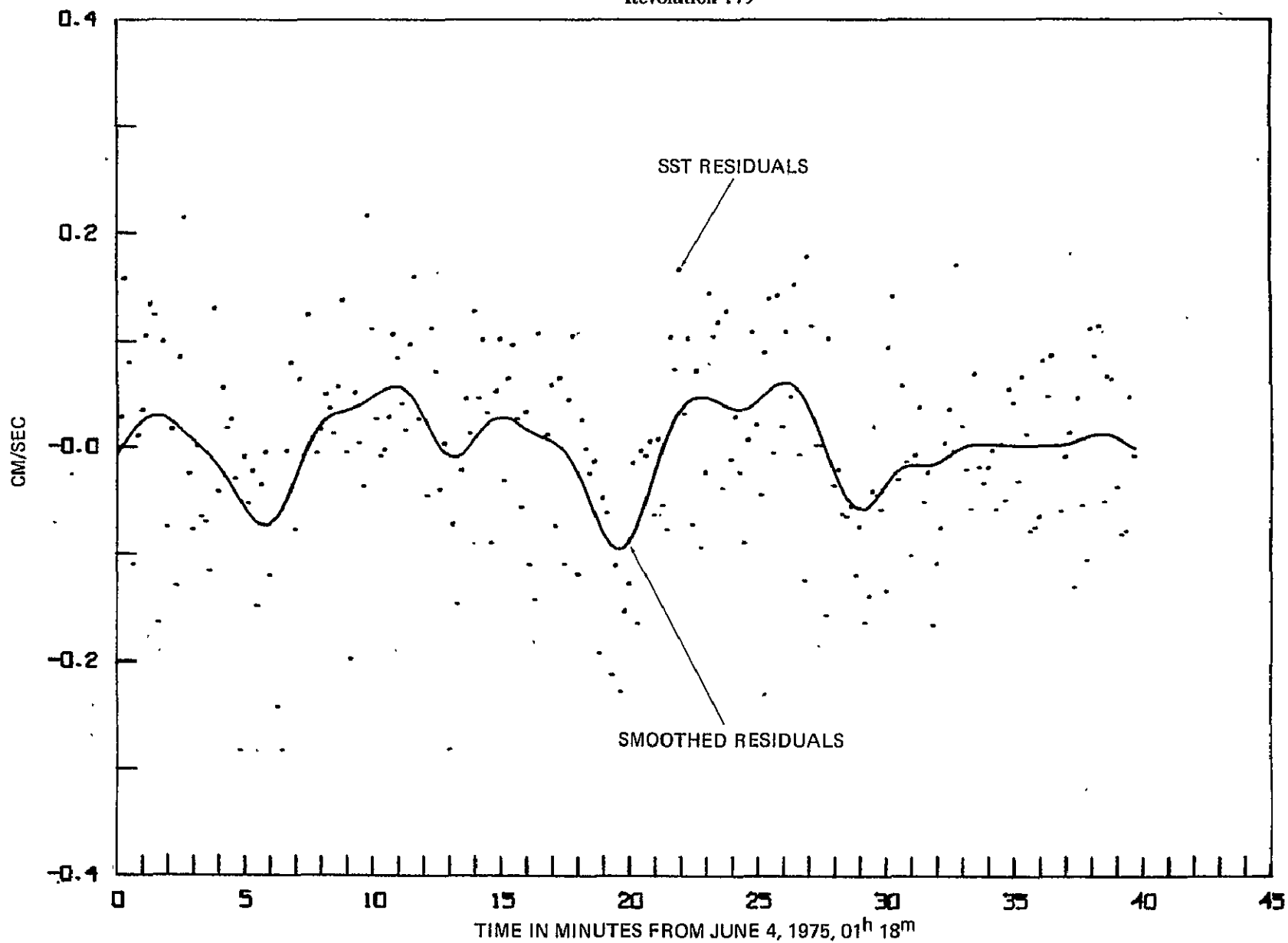
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GEOS-3 Revolution No. 779

June 4, 1975, 1<sup>h</sup> 18<sup>m</sup>

GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 779

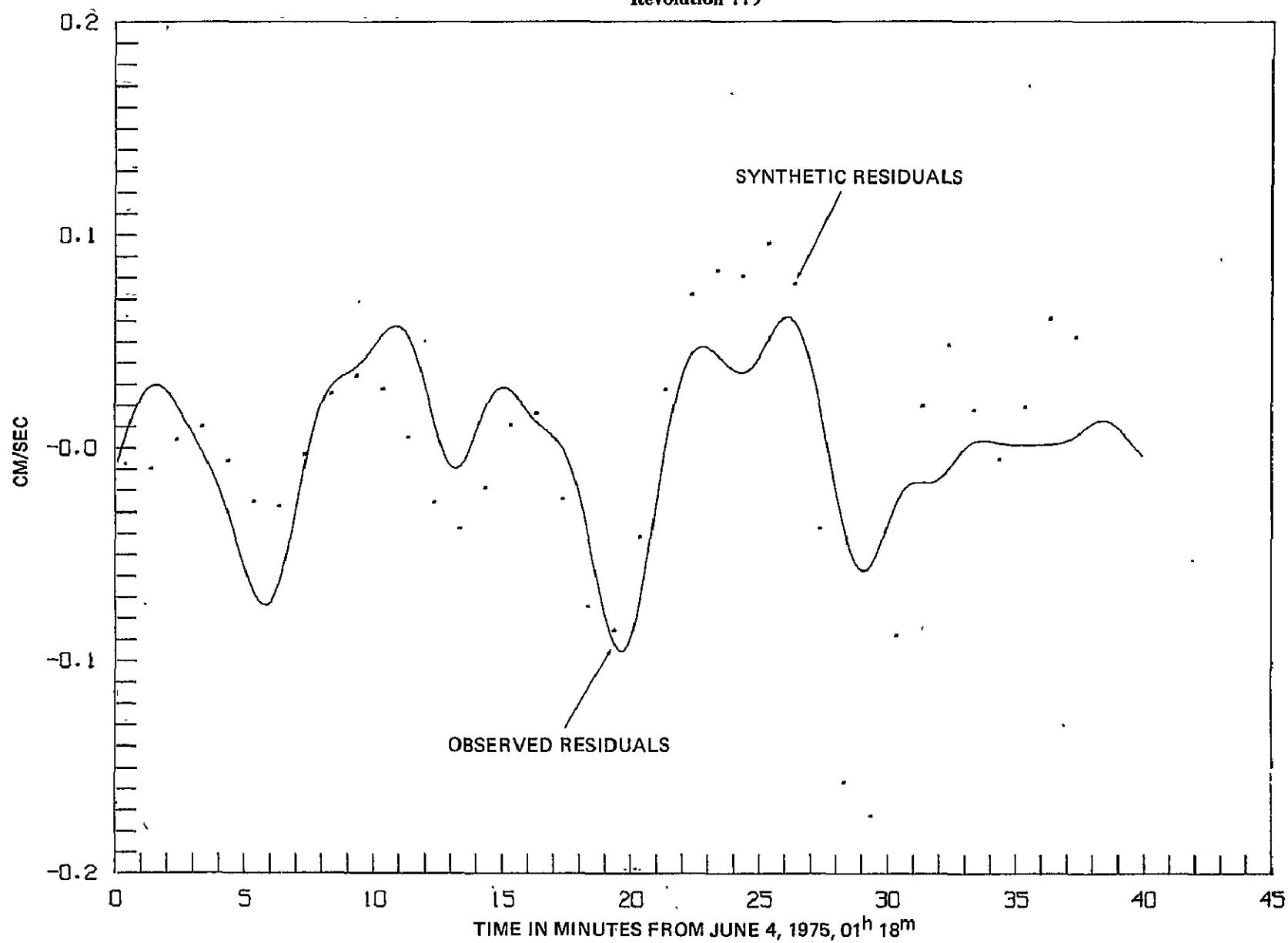
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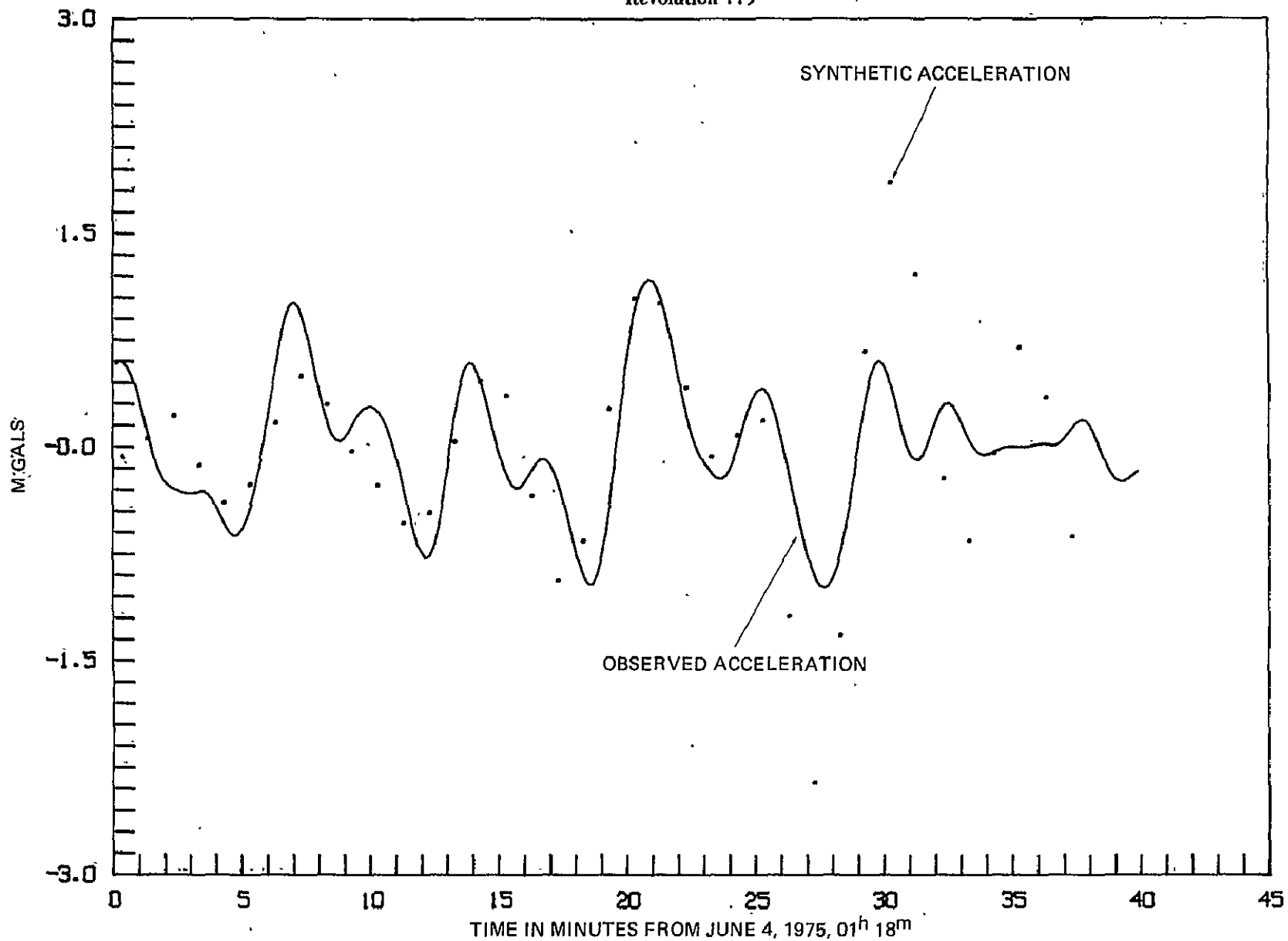
GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 779

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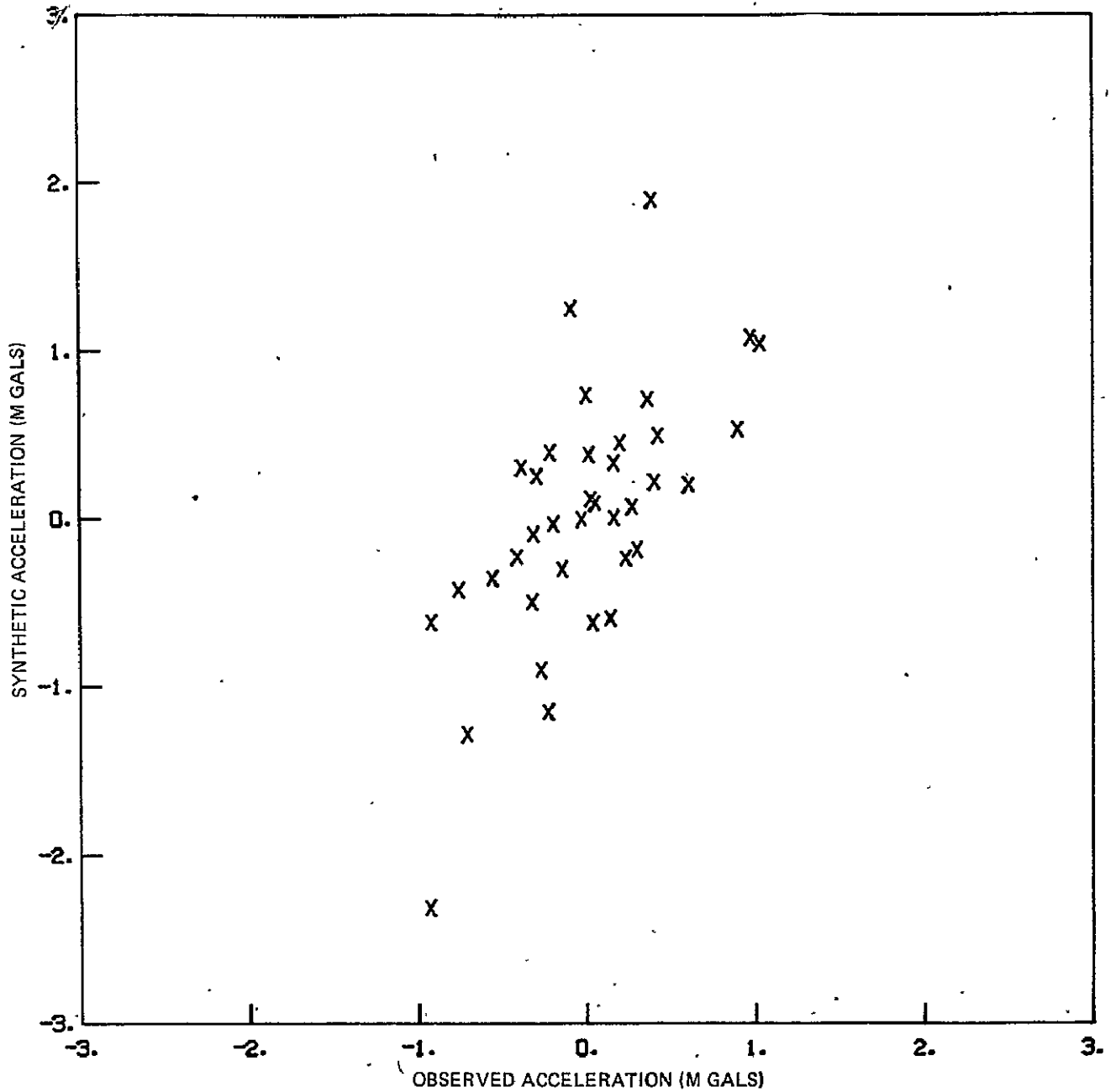


GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 779

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GEOS-3/ATS-6 SST Range Rate Residuals  
Computed Using the PGS-110 Gravity Model Coefficients to (12, 12)  
Revolution 779



REVOLUTION 779

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE	SMOOTHED	SYNTHETIC	OBSERVED	SYNTHETIC
YYMMDD	HHMM	SEC	LAT	E. LONG	CM/SEC	RESIDUAL CM/SEC	CM/SEC	ACCELERATION MGAL	ACCELERATION MGAL
750604	118	54.	62.32	359.57	-0.19784	-0.00000		0.57885	
750604	119	4.	62.07	358.40	0.03297	0.00012		0.59945	
750604	119	14.	61.81	357.24	0.16277	0.00614	-0.005048	0.59023	-0.037117
750604	119	24.	61.54	356.10	0.08371	0.01190		0.55323	
750604	119	34.	61.25	354.98	-0.10561	0.01719		0.49088	
750604	119	44.	60.97	353.89	0.01551	0.02176		0.40406	
750604	119	54.	60.67	352.81	0.03970	0.02539		0.29603	
750604	120	4.	60.36	351.75	0.10954	0.02798		0.17422	
750604	120	14.	60.05	350.71	0.13955	0.02947	-0.007275	0.05020	0.091102
750604	120	24.	59.73	349.68	0.12844	0.02990		-0.06240	
750604	120	34.	59.40	348.68	-0.15946	0.02930		-0.15259	
750604	120	44.	59.07	347.70	0.10446	0.02774		-0.21726	
750604	120	54.	58.73	346.73	-0.07039	0.02544		-0.25908	
750604	121	4.	58.38	345.78	0.02217	0.02259		-0.28385	
750604	121	14.	58.03	344.85	-0.12518	0.01934	0.006501	-0.29916	0.250156
750604	121	24.	57.67	343.94	0.08963	0.01581		-0.31183	
750604	121	34.	57.30	343.04	-0.19111	0.01217		-0.32379	
750604	121	44.	56.93	342.16	-0.02077	0.00854		-0.33090	
750604	121	54.	56.55	341.30	-0.07259	0.00487		-0.33015	
750604	122	4.	56.17	340.45	0.00633	0.00113		-0.32417	
750604	122	14.	55.78	339.62	-0.06091	-0.00269	0.012609	-0.31891	-0.097528
750604	122	24.	55.39	338.81	-0.06582	-0.00657		-0.32187	
750604	122	34.	54.99	338.01	-0.11168	-0.01093		-0.34054	
750604	122	44.	54.59	337.22	0.13534	-0.01556		-0.37937	
750604	122	54.	54.18	336.45	0.03744	-0.02859		-0.43561	
750604	123	4.	53.77	335.70	0.06088	-0.02609		-0.50058	
750604	123	14.	53.35	334.96	0.02230	-0.03205	-0.003479	-0.56262	-0.359044
750604	123	24.	52.94	334.23	0.03114	-0.03836		-0.60897	
750604	123	34.	52.51	333.51	-0.02495	-0.04487		-0.62906	
750604	123	44.	52.09	332.81	-0.27866	-0.05139		-0.61756	
750604	123	54.	51.65	332.12	-0.00395	-0.05769		-0.57621	
750604	124	4.	51.22	331.44	-0.04847	-0.06340		-0.50836	
750604	124	14.	50.78	330.78	-0.01774	-0.06810	0.022662	-0.41476	0.229842
750604	124	24.	50.34	330.12	-0.14414	-0.07172		-0.29516	
750604	124	34.	49.90	329.48	-0.03015	-0.07375		-0.15042	
750604	124	44.	49.45	328.85	-0.00005	-0.07399		0.01748	
750604	124	54.	49.00	328.23	-0.11568	-0.07224		0.20533	
750604	125	4.	48.09	327.61	-0.23803	-0.06282	-0.025033	0.60341	0.200714
750604	125	14.	47.63	326.42	-0.27837	-0.05551		0.78095	
750604	125	24.	47.17	325.64	0.00139	-0.04682		0.91613	
750604	125	34.	46.74	324.87	0.00439	-0.03706		0.99460	
750604	125	44.	46.24	324.15	-0.07235	-0.02670		1.01360	
750604	125	54.	45.77	323.45	0.06895	-0.01630		0.97754	
750604	126	4.	45.30	322.80	-0.00403	-0.00634	-0.000552	0.89552	0.532482
750604	126	14.	44.83	322.15	0.12955	0.00278		0.78029	
750604	126	24.	44.35	321.50	0.01354	0.01079		0.64650	
750604	126	34.	43.87	320.82	-0.00132	0.01749		0.50794	
750604	126	44.	43.39	320.15	0.02212	0.02284		0.37511	
750604	126	54.	42.91	319.49	0.05514	0.02689		0.25615	
750604	127	4.	42.43	318.84	0.04129	0.02982	0.028164	0.15798	0.329202
750604	127	14.	41.94	318.19	0.01715	0.03187		0.08612	
750604	127	24.	41.46	317.52	0.06207	0.03332		0.04413	
750604	127	34.	40.97	316.84	0.14268	0.03448		0.03385	
750604	127	44.	40.48	316.16	-0.00064	0.03566		0.05499	
750604	127	54.	39.99	315.48	-0.19331	0.03700	0.036462	0.10144	0.001405
750604	128	4.	39.49	314.80	0.05653	0.03859		0.15954	
750604	128	14.	38.99	314.12	0.00856	0.04055		0.21442	
750604	128	24.	38.50	313.44	-0.03255	0.04288		0.25518	
750604	128	34.	38.00	312.76	0.22112	0.04548		0.27552	
750604	128	44.	37.50	312.08	0.11552	0.04828		0.27581	
750604	128	54.	37.00	311.40	0.03104	0.05107		0.26028	
750604	129	4.	36.50	310.72	-0.00398	0.05360	0.030084	0.23079	-0.238822
750604	129	14.	36.00	310.04	0.00253	0.05562		0.18545	
750604	129	24.	35.49	309.36	0.03359	0.05693		0.12065	
750604	129	34.	34.98	308.68	0.11133	0.05936		0.03480	
750604	129	44.	34.48	308.00	0.08874	0.05674		-0.07252	
750604	129	54.	33.97	307.32	0.04516	0.05492		-0.19498	
750604	130	4.	33.46	306.64	0.02043	0.05175	0.007384	-0.32719	-0.500016
750604	130	14.	32.95	305.96	0.10198	0.04721		0.46167	
750604	130	24.	32.44	305.28	0.16443	0.04141		-0.58772	
750604	130	34.	31.92	304.60	0.03106	0.03458		-0.69172	
750604	130	44.	31.40	303.92	-0.04061	0.01902		-0.78758	
750604	130	54.	30.88	303.24	-0.11719	0.01110	-0.023242	-0.76518	-0.427412
750604	131	4.	29.86	302.56	0.07600	0.00391		-0.68968	
750604	131	14.	29.35	301.88	-0.03511	-0.00215		-0.55925	
750604	131	24.	28.83	301.20	-0.00476	-0.00663		-0.37938	
750604	131	34.	28.31	300.52	-0.27709	-0.00924		-0.16486	
750604	131	44.	27.79	299.84	-0.06681	-0.00991		0.06025	
750604	131	54.	27.27	299.16	-0.14170	-0.00865	-0.035409	0.26832	0.070016
750604	132	4.	26.75	298.48	-0.01625	-0.00569		0.43525	
750604	132	14.	26.22	297.80	0.05131	-0.00138		0.54486	
750604	132	24.	25.70	297.12	0.01789	0.00363		0.59153	
750604	132	34.	25.18	296.44	0.13254	0.00939		0.57888	
750604	132	44.	24.65	295.76	0.05126	0.01484		0.51778	
750604	132	54.	24.13	295.08	0.10677	0.01971	-0.016323	0.42300	0.493297
750604	133	4.	23.60	294.40	0.03716	0.02370		0.30939	
750604	133	14.	23.08	293.72	-0.08460	0.02654		0.18906	
750604	133	24.	22.55	293.04	0.05822	0.02813		0.06964	
750604	133	34.	22.02	292.36	0.10688	0.02852		0.04283	

ORIGINAL PAGE IS  
OF POOR QUALITY

REVOLUTION 779

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E. LONG					
750604	134	5	21.50	304.25	-0.02652	0.02784		-0.14115	
750604	134	15	20.97	303.92	0.07024	0.02627	0.013265	-0.21892	0.390496
750604	134	25	20.44	303.60	0.10185	0.02408		-0.27995	
750604	134	35	19.91	303.27	0.03126	0.02149		-0.29283	
750604	134	45	19.38	302.95	-0.05145	0.01879		-0.28378	
750604	134	55	18.85	302.63	0.03854	0.01618		-0.24895	
750604	135	5	18.32	302.31	-0.10475	0.01380		-0.19828	
750604	135	15	17.79	301.99	-0.13719	0.01168	0.018658	-0.14534	-0.306232
750604	135	25	17.26	301.68	0.11234	0.00981		-0.10499	
750604	135	35	16.72	301.36	0.01388	0.00814		-0.08716	
750604	135	45	16.19	301.05	0.01690	0.00648		-0.09565	
750604	135	55	15.66	300.74	0.06395	0.00458		-0.13116	
750604	136	5	15.13	300.43	-0.06857	0.00217		-0.19207	
750604	136	15	14.59	300.12	0.07050	-0.00102	-0.021508	-0.27681	-0.904216
750604	136	25	14.06	299.82	-0.10424	-0.00521		-0.37964	
750604	136	35	13.52	299.51	0.04885	-0.01055		-0.49803	
750604	136	45	12.99	299.21	0.10988	-0.01709		-0.62358	
750604	136	55	12.45	298.90	-0.11382	-0.02479		-0.74475	
750604	137	5	11.92	298.60	0.03088	-0.03353		-0.84980	
750604	137	15	11.38	298.30	0.00325	-0.04312	-0.072234	-0.92781	-0.621496
750604	137	25	10.85	298.00	-0.02002	-0.05313		-0.96700	
750604	137	35	10.31	297.70	-0.00794	-0.06312		-0.95753	
750604	137	45	9.78	297.40	-0.18746	-0.07260		-0.89324	
750604	137	55	9.24	297.10	-0.04223	-0.08108		-0.77365	
750604	138	5	8.70	296.81	-0.05641	-0.08799		-0.60286	
750604	138	15	8.17	296.51	-0.20769	-0.09287	-0.083327	-0.38802	0.301859
750604	138	25	7.63	296.22	-0.10517	-0.09542		-0.14151	
750604	138	35	7.09	295.92	-0.22325	-0.05542		0.12000	
750604	138	45	6.56	295.63	-0.14737	-0.09282		0.37793	
750604	138	55	6.02	295.33	-0.12192	-0.08772		0.61435	
750604	139	5	5.48	295.04	-0.00934	-0.08032		0.81567	
750604	139	15	4.94	294.75	-0.15988	-0.07096	-0.079282	0.97393	1.079402
750604	139	25	4.41	294.45	0.00165	-0.06008		1.08535	
750604	139	35	3.87	294.16	-0.00341	-0.04812		1.14994	
750604	139	45	3.33	293.87	-0.01673	-0.03555		1.17166	
750604	139	55	2.79	293.58	-0.05902	-0.02282		1.15649	
750604	140	5	2.26	293.29	-0.01281	-0.01039		1.10809	
750604	140	15	1.72	293.00	-0.05010	-0.00135	0.029912	1.02944	1.042472
750604	140	25	1.18	292.71	-0.07237	0.01206		0.92256	
750604	140	35	0.64	292.41	0.10918	0.02147		0.78998	
750604	140	45	0.10	292.12	0.07754	0.02946		0.63845	
750604	140	55	-0.43	291.83	0.17155	0.03594		0.47991	
750604	141	5	-0.97	291.54	0.03613	0.04092		0.32755	
750604	141	15	-1.51	291.25	0.10769	0.04444	0.074682	0.19415	0.448898
750604	141	25	-2.05	290.96	-0.06776	0.04662		0.08473	
750604	141	35	-2.59	290.67	-0.07763	0.04761		-0.00727	
750604	141	45	-3.12	290.38	-0.08885	0.04759		-0.06557	
750604	141	55	-3.66	290.09	-0.01830	0.04674		-0.11291	
750604	142	5	-4.20	289.79	0.14958	0.04525		-0.16298	
750604	142	15	-4.74	289.50	0.10887	0.04337	0.085969	-0.20729	-0.035219
750604	142	25	-5.27	289.21	0.12254	0.04130		-0.22375	
750604	142	35	-5.81	288.92	-0.03411	0.03923		-0.22609	
750604	142	45	-6.35	288.62	0.13297	0.03735		-0.20250	
750604	142	55	-6.89	288.33	-0.00660	0.03592		-0.15110	
750604	143	5	-7.42	288.03	0.03380	0.03515		-0.07336	
750604	143	15	-7.96	287.74	-0.01917	0.03520	0.083185	-0.02822	0.117125
750604	143	25	-8.50	287.44	-0.08446	0.03615		0.13110	
750604	143	35	-9.03	287.15	0.01241	0.03801		0.23353	
750604	143	45	-9.57	286.86	-0.11343	0.04073		0.31889	
750604	143	55	-10.11	286.55	0.02605	0.04414		0.37878	
750604	144	5	-10.64	286.25	-0.03945	0.04755		0.40759	
750604	144	15	-11.18	285.95	0.09424	0.05182	0.098972	0.40085	0.218856
750604	144	25	-11.71	285.65	0.14439	0.05544		0.35760	
750604	144	35	-12.25	285.35	-0.00067	0.05847		0.28145	
750604	144	45	-12.78	285.05	0.14741	0.06059		0.17782	
750604	144	55	-13.32	284.74	0.02403	0.06154		0.05300	
750604	145	5	-13.86	284.44	-0.11373	0.06111		0.08691	
750604	145	15	-14.38	284.13	0.05223	0.05920	0.075802	-0.23185	-1.153739
750604	145	25	-14.92	283.82	0.15748	0.05575		-0.37759	
750604	145	35	-15.45	283.51	-0.00239	0.05078		-0.51656	
750604	145	45	-15.98	283.20	-0.11968	0.04431		-0.64455	
750604	145	55	-16.52	282.89	0.18371	0.03646		-0.76027	
750604	146	5	-17.05	282.58	0.11855	0.02752		-0.85964	
750604	146	15	-17.58	282.26	0.00685	0.01775	-0.035348	-0.93469	-2.317899
750604	146	25	-18.11	281.95	0.00679	0.00737		-0.97919	
750604	146	35	-18.64	281.63	-0.15159	-0.00332		-0.99075	
750604	146	45	-19.17	281.31	0.10752	-0.01399		-0.97009	
750604	146	55	-19.70	280.99	-0.03099	-0.02420		-0.91737	
750604	147	5	-20.23	280.67	-0.01582	-0.03359		-0.83127	
750604	147	15	-20.76	280.34	-0.05744	-0.04182	-0.154391	-0.71200	-1.284302
750604	147	25	-21.29	280.01	-0.05963	-0.04858		-0.56210	
750604	147	35	-21.82	279.68	-0.04860	-0.05360		-0.38687	
750604	147	45	-22.34	279.35	-0.11471	-0.05670		-0.19429	
750604	147	55	-22.87	279.02	-0.06833	-0.05781		0.00450	
750604	148	5	-23.40	278.68	-0.15881	-0.05699		0.19569	
750604	148	15	-23.92	278.35	-0.13296	-0.05443	-0.170230	0.36382	0.711020
750604	148	25	-24.45	278.01	-0.03564	-0.05044		0.49392	
750604	148	35	-24.97	277.66	-0.03936	-0.04940		0.57540	
750604	148	45	-25.49	277.32	-0.05297	-0.03978		0.60317	
750604	148	55	-26.02	276.97	-0.12886	-0.03411		0.57688	
750604	149	5	-26.54	276.62	0.09951	-0.02885		0.50116	
750604	149	15	-27.06	276.27	0.14660	-0.02431	-0.085297	0.38841	1.894918
750604	149	25	-27.58	275.91	0.02527	-0.02070		0.25834	
750604	149	35	-28.10	275.55	0.06352	-0.01818		0.13119	
750604	149	45	-28.62	275.19	-0.00876	-0.01669		0.02367	
750604	149	55	-29.14	274.82	-0.09662	-0.01668		0.05242	

REVOLUTION 779

OBSERVATION TIME			GEOS-3 SUBSATELLITE POINT		RANGE RATE RESIDUAL CM/SEC	SMOOTHED RESIDUAL CM/SEC	SYNTHETIC RESIDUAL CM/SEC	OBSERVED ACCELERATION MGAL	SYNTHETIC ACCELERATION MGAL
YYMMDD	HHMM	SEC	LAT	E LONG					
750604	150	6.	-29.66	274.45	-0.00152	-0.01608		-0.09171	
750604	150	16.	-30.17	274.08	0.04284	-0.01631	0.022455	-0.09317	1.250983
750604	150	26.	-30.69	273.71	-0.04659	-0.01643		-0.05821	
750604	150	36.	-31.20	273.33	-0.01808	-0.01615		-0.00749	
750604	150	46.	-31.72	272.95	-0.16130	-0.01630		-0.09267	
750604	150	56.	-32.23	272.56	-0.10345	-0.01385		0.18105	
750604	151	6.	-32.74	272.17	-0.07006	-0.01184		0.25454	
750604	151	16.	-33.25	271.77	0.00984	-0.00938	0.051078	-0.29891	-0.186726
750604	151	26.	-33.76	271.38	0.04086	-0.00668		0.30732	
750604	151	36.	-34.27	270.97	0.00105	-0.00397		0.28107	
750604	151	46.	-34.78	270.57	0.17538	-0.00149		0.22797	
750604	151	56.	-35.28	270.16	0.02455	0.00061		0.16069	
750604	152	6.	-35.79	269.74	-0.01641	0.00218		0.09253	
750604	152	16.	-36.29	269.32	-0.05293	0.00215	0.020070	0.03247	-0.623328
750604	152	26.	-36.79	268.89	0.07482	0.00358		-0.01462	
750604	152	36.	-37.30	268.46	-0.01404	0.00360		-0.04502	
750604	152	46.	-37.80	268.03	-0.02898	0.00335		-0.06017	
750604	152	56.	-38.29	267.59	-0.01359	0.00293		-0.05987	
750604	153	6.	-38.79	267.14	0.00258	0.00248		-0.04915	
750604	153	16.	-39.29	266.69	-0.05283	0.00207	-0.002720	-0.03280	-0.006358
750604	153	26.	-39.78	266.23	0.00827	0.00171		-0.01628	
750604	153	36.	-40.27	265.77	-0.04474	0.00149		-0.00396	
750604	153	46.	-40.76	265.30	0.06917	0.00133		0.00182	
750604	153	56.	-41.25	264.82	-0.04626	0.00125		-0.06174	
750604	154	6.	-41.74	264.34	-0.02723	0.00124		-0.00093	
750604	154	16.	-42.23	263.85	0.07178	0.00126	0.021798	-0.00280	0.735162
750604	154	26.	-42.71	263.35	0.01683	0.00135		-0.00112	
750604	154	36.	-43.19	262.85	-0.07367	0.00146		0.00522	
750604	154	46.	-43.67	262.34	-0.06364	0.00155		0.01353	
750604	154	56.	-44.15	261.82	-0.05974	0.00162		0.01882	
750604	155	6.	-44.62	261.29	0.08686	0.00169		0.01769	
750604	155	16.	-45.10	260.76	0.03265	0.00181	0.003498	-0.01475	0.376603
750604	155	26.	-45.57	260.22	0.09190	0.00204		0.00732	
750604	155	36.	-46.04	259.67	0.00701	0.00241		0.01157	
750604	155	46.	-46.51	259.11	-0.05468	0.00296		0.02914	
750604	155	56.	-46.97	258.54	-0.00333	0.00372		0.05955	
750604	156	6.	-47.43	257.96	0.01855	0.00475		0.09842	
750604	156	16.	-47.89	257.38	-0.12628	0.00607	0.054715	0.13898	-0.595729
750604	156	26.	-48.35	256.78	0.05174	0.00759		0.17194	
750604	156	36.	-48.80	256.18	0.04965	0.00922		0.18767	
750604	156	46.	-49.25	255.56	-0.10039	0.01075		0.17997	
750604	156	56.	-49.70	254.93	0.11717	0.01197		0.14371	
750604	157	6.	-50.15	254.30	0.09057	0.01278		0.08198	
750604	157	16.	-50.59	253.65	0.11953	0.01304		0.00497	
750604	157	26.	-51.03	252.99	-0.04598	0.01268		-0.07444	
750604	157	36.	-51.46	252.32	0.07229	0.01167		-0.14525	
750604	157	46.	-51.89	251.63	0.06937	0.01012		-0.19973	
750604	157	56.	-52.32	250.94	-0.03246	0.00817		-0.23208	
750604	158	6.	-52.75	250.23	-0.07654	0.00581		-0.24425	
750604	158	16.	-53.17	249.51	-0.07310	0.00333		-0.23729	
750604	158	26.	-53.58	248.77	0.05303	0.00088		-0.21841	
750604	158	36.	-54.00	248.02	-0.00322	-0.00139		-0.19357	

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